SERFF Tracking #: MILL-131719034 State Tracking #: MILL-131719034

Company Tracking #: LTC4 TQ FO

State: Pennsylvania Filing Company: Brighthouse Life Insurance Company

TOI/Sub-TOI: LTC04I Individual Long Term Care - Nursing Home/LTC04I.001 Qualified

Product Name: Long-Term Care

Project Name/Number: Round 4.1 Filing/145GEC01-70

Filing at a Glance

Company: Brighthouse Life Insurance Company

Product Name: Long-Term Care State: Pennsylvania

TOI: LTC04I Individual Long Term Care - Nursing Home

Sub-TOI: LTC04I.001 Qualified

Filing Type: Rate - Other (Not M.U. or G.I. Product)

Date Submitted: 02/26/2019

SERFF Tr Num: MILL-131719034

SERFF Status: Assigned

State Tr Num: MILL-131719034

State Status: Received Review in Progress

Co Tr Num: LTC4 TQ FO

Implementation On Approval

Date Requested:

Author(s): Mike Bergerson, John Hebig, Joe Neary, Tanisha Duwearatchi, Andrew Duxbury

Reviewer(s): Jim Laverty (primary), David D'Agostino

Disposition Date:
Disposition Status:
Implementation Date:

State Filing Description:

Proposed 21.6% increase on 34 policyholders of Brighthouse Life form H-LTC4JFQ15 (Series name is LTC4 TQ FO).

State: Pennsylvania Filing Company: Brighthouse Life Insurance Company

TOI/Sub-TOI: LTC04I Individual Long Term Care - Nursing Home/LTC04I.001 Qualified

Product Name: Long-Term Care

Project Name/Number: Round 4.1 Filing/145GEC01-70

General Information

Project Name: Round 4.1 Filing Status of Filing in Domicile: Not Filed

Project Number: 145GEC01-70 Date Approved in Domicile:

Requested Filing Mode: Review & Approval Domicile Status Comments: This filing is not being submitted in

Delaware as there are no in-force policies in Delaware.

Explanation for Combination/Other: Market Type: Individual Submission Type: New Submission Individual Market Type:

Overall Rate Impact: 21.6% Filing Status Changed: 02/27/2019

State Status Changed: 02/27/2019

Deemer Date: Created By: David Chou

Submitted By: John Hebig Corresponding Filing Tracking Number:

State TOI: LTC04I Individual Long Term Care - Nursing Home

Filing Description:

Milliman, Inc. has been retained by GNA Corporation to submit the referenced rate filing on behalf of Brighthouse Life Insurance Company for your review. In preparing this rate filing, I relied on data provided to me by Union Fidelity Life Insurance Company (UFLIC), the retrocessionaire on this business, and Genworth Life Insurance Company (Genworth), a reinsurer of this business.

H-LTC4JFQ15, et al. are existing tax-qualified individual facility only long term care policies of insurance previously approved in 1998. These forms were issued in Pennsylvania from November 1998 through January 2001 and are no longer being marketed in any state. Nationwide, the last policies were issued in 2001.

The company is requesting the approval of a premium rate increase on the above listed forms and all associated riders. The increase is needed due to morbidity and persistency levels which produce lifetime loss ratios in excess of original pricing and the minimum requirement. As noted in the attached actuarial memorandum, six prior increases have been approved and implemented on these forms and associated riders.

- 1.A 20.0% increase was approved on August 10, 2004 and implemented on each contract's next billing anniversary beginning November 20, 2004.
- 2.A 14.92% increase, phased in over a two year period, was approved on July 28, 2010 and implemented on each contract's next billing anniversary beginning December 2, 2010.
- 3.A 15.0% increase was approved on February 28, 2014 and implemented on each contract's next billing anniversary beginning July 12, 2014.
- 4.A 15.0% increase was approved on July 21, 2015 and implemented on each contract's next billing anniversary beginning October 17, 2015.
- 5.A 15.0% increase was approved on December 13, 2016 and implemented on each contract's next billing anniversary beginning March 4, 2017.
- 6.On November 15, 2017, the company requested a rate increase of 33.7%. A 10.0% increase was approved on March 6, 2018 and implemented on each contract's next billing anniversary beginning June 2, 2018.

Emerging experience continues to show the need for the full amount requested in the prior filing so the company is requesting a premium rate increase of 21.6% at this time. While a significantly larger rate increase is justified, the company is willing at this time to forgo approximately 95% of the rate increase needed to restore the loss ratio to the original pricing expectation.

This premium rate increase is needed to reduce the lifetime loss ratio, which far exceeds the original pricing level and the

State: Pennsylvania Filing Company: Brighthouse Life Insurance Company

TOI/Sub-TOI: LTC04I Individual Long Term Care - Nursing Home/LTC04I.001 Qualified

Product Name: Long-Term Care

Project Name/Number: Round 4.1 Filing/145GEC01-70

minimum requirements set by state insurance law. The company is seeking approximately equal cumulative premium rate increases across all jurisdictions (except where limited by regulatory restrictions). The company prefers to implement rate increases sooner at the requested level and avoid incrementally larger increases in the future.

Although the company expects to continue to shoulder a significant portion of the rate increase needed on this block, it will continue to monitor experience and reserves the right to request additional rate increases, even if experience does not deteriorate further from the current level.

Similar to the prior increases, the company will offer insureds affected by the premium increase the option of reducing their benefits, where possible, to provide flexibility of choice for those insureds who wish to maintain a premium level reasonably similar to what they were paying prior to the rate increase. There are several options for benefit reductions available to most policyholders (subject to policy and state minimum requirements). Insureds may be able to increase their elimination period, shorten their benefit period, reduce their daily benefit amount, remove or reduce inflation protection, or any combination of these.

For eligible policyholders who do not have a nonforfeiture benefit as part of their policy, the company is making an optional limited benefit available for those who wish to elect a limited paid-up long term care insurance benefit. This option provides a paid-up policy with benefits equal to the total of premiums paid, less any claims paid. While the company is strongly encouraging policyholders to keep or reduce their existing coverage, it believes it is important to provide a comprehensive set of options to policyholders. The optional limited benefit endorsement form MICC OLB 10/07/2013 was previously approved by the Department.

Company and Contact

Filing Contact Information

John Hebig, Actuary john.hebig@milliman.com 8500 Normandale Lake Blvd. 952-820-2488 [Phone] Suite 1850 952-897-5301 [FAX]

MN

MINNEAPOLIS, MN 55437-3830

Filing Company Information

(This filing was made by a third party - millimaninc)

Brighthouse Life Insurance CoCode: 87726 State of Domicile: Delaware

Company Group Code: 241 Company Type:
1209 Orange Street Group Name: Metropolitan Group Life/Accident/Health
Wilmington, DE 19801 FEIN Number: 06-0566090 State ID Number:

(860) 768-0328 ext. [Phone]

Filing Fees

Fee Required? Yes
Fee Amount: \$100.00
Retaliatory? Yes

Fee Explanation: The state of domicile, Delaware, has a \$100 fee.

Per Company: Yes

 State:
 Pennsylvania
 Filing Company:
 Brighthouse Life Insurance Company

TOI/Sub-TOI: LTC04I Individual Long Term Care - Nursing Home/LTC04I.001 Qualified

Product Name: Long-Term Care

Project Name/Number: Round 4.1 Filing/145GEC01-70

CompanyAmountDate ProcessedTransaction #Brighthouse Life Insurance Company\$100.0002/26/2019156237551

SERFF Tracking #: MILL-131719034 State Tracking #: MILL-131719034 Company Tracking #: LTC4 TQ FO

State: Pennsylvania Filing Company: Brighthouse Life Insurance Company

TOI/Sub-TOI: LTC04I Individual Long Term Care - Nursing Home/LTC04I.001 Qualified

Product Name: Long-Term Care

Project Name/Number: Round 4.1 Filing/145GEC01-70

Rate Information

Rate data applies to filing.

Filing Method: Review and Approval

Rate Change Type: Increase

Overall Percentage of Last Rate Revision: 10.000%

Effective Date of Last Rate Revision: 06/02/2018

Filing Method of Last Filing: Review and Approval SERFF Tracking Number of Last Filing: MILL-131126126

Company Rate Information

	Overall %	Overall %	Written Premium	Number of Policy	Written	Maximum %	Minimum %
Company	Indicated	Rate	Change for	Holders Affected	Premium for	Change	Change
Name:	Change:	Impact:	this Program:	for this Program:	this Program:	(where req'd):	(where req'd):
Brighthouse Life Insurance Company	%	21.600%	\$16,827	34	\$77,903	21.600%	21.600%

SERFF Tracking #: MILL-131719034 State Tracking #: MILL-131719034 Company Tracking #: LTC4 TQ FO

State:PennsylvaniaFiling Company:Brighthouse Life Insurance Company

TOI/Sub-TOI: LTC04I Individual Long Term Care - Nursing Home/LTC04I.001 Qualified

Product Name: Long-Term Care

Project Name/Number: Round 4.1 Filing/145GEC01-70

Rate/Rule Schedule

Iter No.	n Schedule Item Status	Document Name	Affected Form Numbers (Separated with commas)	Rate Action	Rate Action Information	Attachments
1		Rate Tables	H-LTC4JFQ15, et al.	Revised	Previous State Filing Number: MILL-131126126 Percent Rate Change Request: 21.6	PA_LTC4_FO_Q_Pre m_21.6%_20190226.p df, PA_LTC4_FO_Q_Pre m_Current_20190226. pdf,

FACILITY ONLY BENEFITS FORM: H-LTC4JFQ15, et al.

2-YEAR BENEFIT PERIOD

		O Base Benefi nination Perio				nal \$5 Incremination Perio	
Issue				Issue			
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days
18-39	252.49	238.46	224.43	18-39	25.25	23.85	22.44
40	252.49	238.46	224.43	40	25.25	23.85	22.44
41	266.51	252.49	238.46	41	26.65	25.25	23.85
42	266.51	252.49	238.46	42	26.65	25.25	23.85
43	280.54	266.51	252.49	43	28.05	26.65	25.25
44	294.57	280.54	252.49	44	29.46	28.05	25.25
45	294.57	280.54	266.51	45	29.46	28.05	26.65
46	308.60	294.57	266.51	46	30.86	29.46	26.65
47	322.62	308.60	280.54	47	32.26	30.86	28.05
48	322.62	308.60	294.57	48	32.26	30.86	29.46
49	336.65	322.62	294.57	49	33.66	32.26	29.46
50	350.68	336.65	308.60	50	35.07	33.66	30.86
51	364.70	350.68	322.62	51	36.47	35.07	32.26
52	392.76	378.73	350.68	52	39.28	37.87	35.07
53	420.81	392.76	364.70	53	42.08	39.28	36.47
54	434.84	406.78	378.73	54	43.48	40.68	37.87
55	462.89	434.84	406.78	55	46.29	43.48	40.68
56	490.95	462.89	420.81	56	49.09	46.29	42.08
57	519.00	490.95	448.87	57	51.90	49.09	44.89
58	561.08	519.00	476.92	58	56.11	51.90	47.69
59	589.14	547.06	490.95	59	58.91	54.71	49.09
60	631.22	575.11	519.00	60	63.12	57.51	51.90
61	687.33	631.22	561.08	61	68.73	63.12	56.11
62	729.41	673.30	603.16	62	72.94	67.33	60.32
63	799.54	729.41	659.27	63	79.95	72.94	65.93
64	855.65	785.52	715.38	64	85.57	78.55	71.54
65	925.79	855.65	771.49	65	92.58	85.57	77.15
66	1,009.95	925.79	841.62	66	100.99	92.58	84.16
67	1,108.14	1,009.95	911.76	67	110.81	100.99	91.18
68	1,206.33	1,094.11	981.89	68	120.63	109.41	98.19
69	1,318.54	1,192.30	1,066.06	69	131.85	119.23	106.61
Cus stiens all	Dun						

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0%

Quarterly 26.0%

Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY BENEFITS FORM: H-LTC4JFQ15, et al.

2-YEAR BENEFIT PERIOD

) Base Benefi nination Perio				nal \$5 Increm	
Issue Age	20 Days	60 Days	100 Days	Issue Age	20 Days	60 Days	100 Days
70	1,444.79	1,304.52	1,164.25	70	144.48	130.45	116.42
71	1,599.08	1,444.79	1,276.46	71	159.91	144.48	127.65
72	1,781.44	1,599.08	1,402.71	72	178.14	159.91	140.27
73	1,977.82	1,767.41	1,542.98	73	197.78	176.74	154.30
74	2,202.25	1,949.76	1,697.27	74	220.22	194.98	169.73
75	2,440.71	2,160.17	1,865.60	75	244.07	216.02	186.56
76	2,721.25	2,398.63	2,076.00	76	272.12	239.86	207.60
77	3,043.87	2,693.20	2,328.49	77	304.39	269.32	232.85
78	3,408.58	3,001.79	2,595.01	78	340.86	300.18	259.50
79	3,801.33	3,352.47	2,889.57	79	380.13	335.25	288.96
80		3,745.22	3,226.22	80	425.02	374.52	322.62
81		4,137.98	3,562.87	81	469.91	413.80	356.29
82		4,572.82	3,941.60	82	520.40	457.28	394.16
83		5,063.77	4,362.42	83	575.11	506.38	436.24
84		5,596.80	4,825.31	84	635.43	559.68	482.53
				85	702.76	618.59	534.43
				86	791.13	697.14	601.76
				87	890.72	784.11	677.51
				88	1,001.53	880.90	761.67
				89	1,126.37	991.71	857.05
				90	1,275.06	1,115.15	963.66
				91	1,425.15	1,255.42	1,084.29
				92	1,603.29	1,411.12	1,218.95
				93	1,803.88	1,587.86	1,371.85
				94	2,029.72	1,785.64	1,542.98
				95	2,282.20	2,010.08	1,736.55
				96	2,568.35	2,261.16	1,952.57
				97	2,889.57	2,543.11	2,196.64
				98	3,250.07	2,861.52	2,471.57
				99	3,655.45	3,217.81	2,780.16

Fractional Premiums (expressed as a percent of annual premium)	
Semi-annual	51.0%
Quarterly	26.0%

Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY BENEFITS FORM: H-LTC4JFQ15, et al.

3-YEAR BENEFIT PERIOD

) Base Benefi nination Perio				nal \$5 Increm ination Perio	
Issue				Issue			
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days
18-39	322.62	308.60	280.54	18-39	32.26	30.86	28.05
40	322.62	308.60	280.54	40	32.26	30.86	28.05
41	336.65	322.62	294.57	41	33.66	32.26	29.46
42	336.65	322.62	294.57	42	33.66	32.26	29.46
43	350.68	336.65	308.60	43	35.07	33.66	30.86
44	364.70	350.68	322.62	44	36.47	35.07	32.26
45	378.73	350.68	322.62	45	37.87	35.07	32.26
46	392.76	364.70	336.65	46	39.28	36.47	33.66
47	392.76	378.73	350.68	47	39.28	37.87	35.07
48	406.78	378.73	350.68	48	40.68	37.87	35.07
49	420.81	392.76	364.70	49	42.08	39.28	36.47
50	434.84	406.78	378.73	50	43.48	40.68	37.87
51	448.87	420.81	392.76	51	44.89	42.08	39.28
52	476.92	448.87	406.78	52	47.69	44.89	40.68
53	504.97	462.89	420.81	53	50.50	46.29	42.08
54	519.00	490.95	448.87	54	51.90	49.09	44.89
55	547.06	504.97	462.89	55	54.71	50.50	46.29
56	589.14	547.06	490.95	56	58.91	54.71	49.09
57	617.19	575.11	533.03	57	61.72	57.51	53.30
58	659.27	617.19	561.08	58	65.93	61.72	56.11
59	715.38	659.27	603.16	59	71.54	65.93	60.32
60	757.46	701.35	645.24	60	75.75	70.14	64.52
61	813.57	757.46	701.35	61	81.36	75.75	70.14
62	883.70	827.60	757.46	62	88.37	82.76	75.75
63	953.84	897.73	827.60	63	95.38	89.77	82.76
64	1,038.00	967.87	897.73	64	103.80	96.79	89.77
65	1,122.16	1,052.03	981.89	65	112.22	105.20	98.19
66	1,220.35	1,150.22	1,066.06	66	122.04	115.02	106.61
67	1,318.54	1,130.22	1,164.25	67	131.85	124.84	116.42
68	1,430.76	1,346.60	1,262.44	68	143.08	134.66	126.24
69	1,542.98	1,458.81	1,374.65	69	154.30	145.88	137.47
Fractional I	Premiums (exp	ressed as a r	percent of anni	ıal premium)			
Semi-annu			orderit di ailiit	aai pieiiliuiii)	51.0%		
Semi-ami	aı				31.0%		

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

Monthly Statement Billed & Automatic Premium Deposit

Quarterly

Rate Table 27

26.0%

9.0%

FACILITY ONLY BENEFITS FORM: H-LTC4JFQ15, et al.

3-YEAR BENEFIT PERIOD

) Base Benefi nination Perio				nal \$5 Increm	
Issue Age	20 Days	60 Days	100 Days	Issue Age	20 Days	60 Days	100 Days
70	1,669.22	1,585.06	1,486.87	70	166.92	158.51	148.69
71	1,865.60	1,767.41	1,669.22	71	186.56	176.74	166.92
72	2,076.00	1,977.82	1,865.60	72	207.60	197.78	186.56
73	2,300.44	2,202.25	2,090.03	73	230.04	220.22	209.00
74	2,566.95	2,454.74	2,328.49	74	256.70	245.47	232.85
75	2,861.52	2,735.28	2,609.03	75	286.15	273.53	260.90
76	3,184.14	3,043.87	2,903.60	76	318.41	304.39	290.36
77	3,548.85	3,394.55	3,240.25	77	354.88	339.45	324.03
78	3,969.66	3,801.33	3,618.98	78	396.97	380.13	361.90
79	4,418.52	4,222.15	4,025.77	79	441.85	422.21	402.58
				80	492.35	471.31	448.87
				81	544.25	520.40	496.56
				82	601.76	575.11	548.46
				83	671.90	636.83	607.37
				84	735.02	715.38	670.49
				85	812.17	777.10	742.03
				86	914.56	875.29	836.01
				87	1,028.18	984.70	939.81
				88	1,157.23	1,106.74	1,057.64
				89	1,301.71	1,245.60	1,189.49
				90	1,464.43	1,401.30	1,338.18
				91	1,646.78	1,576.64	1,509.31
				92	1,852.97	1,773.02	1,693.07
				93	2,084.42	1,994.65	1,904.87
				94	2,345.32	2,244.33	2,141.93
				95	2,638.49	2,524.87	2,409.85
				96	2,968.13	2,839.08	2,711.43
				97	3,338.44	3,193.96	3,050.89
				98	3,756.45	3,593.73	3,431.02
				99	4,224.95	4,042.60	3,860.25
				99	7,224.33	+,∪+∠.∪∪	3,000.23

Fractional Premiums (expressed as a percent of annual premium)
--

Semi-annual	51.0%
Quarterly	26.0%
Monthly Statement Billed & Automatic Premium Deposit	9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY BENEFITS FORM: H-LTC4JFQ15, et al.

5-YEAR BENEFIT PERIOD

) Base Benefi nination Perio				nal \$5 Incremination Perio	
Issue				Issue			
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days
18-39	364.70	350.68	322.62	18-39	36.47	35.07	32.26
40	364.70	350.68	322.62	40	36.47	35.07	32.26
41	378.73	364.70	336.65	41	37.87	36.47	33.66
42	392.76	378.73	350.68	42	39.28	37.87	35.07
43	406.78	392.76	364.70	43	40.68	39.28	36.47
44	420.81	406.78	378.73	44	42.08	40.68	37.87
45	434.84	420.81	392.76	45	43.48	42.08	39.28
46	462.89	434.84	406.78	46	46.29	43.48	40.68
47	476.92	448.87	420.81	47	47.69	44.89	42.08
48	490.95	462.89	434.84	48	49.09	46.29	43.48
49	519.00	490.95	448.87	49	51.90	49.09	44.89
50	533.03	504.97	462.89	50	53.30	50.50	46.29
51	547.06	519.00	476.92	51	54.71	51.90	47.69
52	575.11	533.03	490.95	52	57.51	53.30	49.09
53	589.14	547.06	504.97	53	58.91	54.71	50.50
54	617.19	575.11	519.00	54	61.72	57.51	51.90
55	631.22	589.14	533.03	55	63.12	58.91	53.30
56	673.30	631.22	575.11	56	67.33	63.12	57.51
57	729.41	673.30	603.16	57	72.94	67.33	60.32
58	785.52	715.38	645.24	58	78.55	71.54	64.52
59	841.62	771.49	701.35	59	84.16	77.15	70.14
60	897.73	827.60	743.43	60	89.77	82.76	74.34
61	981.89	897.73	813.57	61	98.19	89.77	81.36
62	1,080.08	981.89	883.70	62	108.01	98.19	88.37
63	1,178.27	1,066.06	953.84	63	117.83	106.61	95.38
64	1,276.46	1,164.25	1,038.00	64	127.65	116.42	103.80
65	1,402.71	1,276.46	1,136.19	65	140.27	127.65	113.62
66	1,514.92	1,374.65	1,220.35	66	151.49	137.47	122.04
67	1,641.17	1,486.87	1,318.54	67	164.12	148.69	131.85
68	1,781.44	1,599.08	1,416.73	68	178.14	159.91	141.67
69	1,921.71	1,725.33	1,528.95	69	192.17	172.53	152.89
Fractional	Premiums (exp	ressed as a r	percent of anni	ıal premium)			
Comi onni	al				E4 00/		

Monthly Statement Billed & Automatic Premium Deposit 9.0%

Semi-annual

Quarterly

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

Rate Table 29

51.0%

26.0%

FACILITY ONLY BENEFITS FORM: H-LTC4JFQ15, et al.

5-YEAR BENEFIT PERIOD

) Base Benefi nination Perio				nal \$5 Increm	
Issue				Issue			
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days
70	2,076.00	1,865.60	1,641.17	70	207.60	186.56	164.12
71	2,300.44	2,076.00	1,837.54	71	230.04	207.60	183.75
72	2,552.92	2,300.44	2,047.95	72	255.29	230.04	204.80
73	2,833.47	2,552.92	2,272.38	73	283.35	255.29	227.24
74	3,142.06	2,847.49	2,538.90	74	314.21	284.75	253.89
75	3,478.71	3,156.09	2,833.47	75	347.87	315.61	283.35
76	3,871.47	3,520.79	3,156.09	76	387.15	352.08	315.61
77	4,320.33	3,927.58	3,520.79	77	432.03	392.76	352.08
78	4,811.28	4,376.44	3,927.58	78	481.13	437.64	392.76
79	5,358.34	4,867.39	4,376.44	79	535.83	486.74	437.64
				80	597.55	542.85	488.14
				81	659.27	598.96	538.64
				82	729.41	663.48	596.15
				83	805.15	732.21	657.87
				84	889.32	807.96	728.00
				85	981.89	892.12	802.35
				86	1,105.33	1,004.34	903.34
				87	1,242.80	1,129.18	1,040.81
				88	1,398.50	1,270.85	1,143.21
				89	1,573.84	1,429.36	1,286.28
				90	1,770.21	1,608.90	1,446.19
				91	1,991.84	1,809.49	1,627.14
				92	2,240.12	2,035.33	1,830.53
				93	2,520.66	2,289.22	2,059.17
				94	2,834.87	2,575.37	2,317.27
				95	3,189.75	2,897.99	2,606.23
				96	3,588.12	3,259.89	2,931.66
				97	4,035.59	3,666.67	3,297.76
				98	4,540.56	4,125.36	3,710.16
				99	5,108.66	4,641.55	4,174.45

Fractional Premiums (expressed as a percent of annual premium)
--

Semi-annual	51.0%
Quarterly	26.0%
Monthly Statement Billed & Automatic Premium Deposit	9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY BENEFITS FORM: H-LTC4JFQ15, et al.

UNLIMITED BENEFIT PERIOD

\$50 Base Benefit Elimination Period					Additional \$5 Increments Elimination Period			
Issue				Issue				
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days	
18-39	434.84	420.81	392.76	18-39	43.48	42.08	39.28	
40	434.84	420.81	392.76	40	43.48	42.08	39.28	
41	448.87	434.84	406.78	41	44.89	43.48	40.68	
42	476.92	448.87	420.81	42	47.69	44.89	42.08	
43	490.95	462.89	434.84	43	49.09	46.29	43.48	
44	504.97	476.92	448.87	44	50.50	47.69	44.89	
45	533.03	504.97	462.89	45	53.30	50.50	46.29	
46	547.06	519.00	476.92	46	54.71	51.90	47.69	
47	575.11	533.03	490.95	47	57.51	53.30	49.09	
48	603.16	561.08	504.97	48	60.32	56.11	50.50	
49	617.19	575.11	533.03	49	61.72	57.51	53.30	
50	645.24	603.16	547.06	50	64.52	60.32	54.71	
51	673.30	617.19	561.08	51	67.33	61.72	56.11	
52	701.35	645.24	589.14	52	70.14	64.52	58.91	
53	729.41	673.30	617.19	53	72.94	67.33	61.72	
54	757.46	701.35	631.22	54	75.75	70.14	63.12	
55	785.52	729.41	659.27	55	78.55	72.94	65.93	
56	841.62	785.52	715.38	56	84.16	78.55	71.54	
57	911.76	841.62	771.49	57	91.18	84.16	77.15	
58	981.89	911.76	827.60	58	98.19	91.18	82.76	
59	1,066.06	981.89	897.73	59	106.61	98.19	89.77	
60	1,150.22	1,066.06	967.87	60	115.02	106.61	96.79	
61	1,248.41	1,150.22	1,052.03	61	124.84	115.02	105.20	
62	1,374.65	1,262.44	1,136.19	62	137.47	126.24	113.62	
63	1,500.90	1,374.65	1,234.38	63	150.09	137.47	123.44	
64	1,627.14	1,486.87	1,332.57	64	162.71	148.69	133.26	
65	1,781.44	1,613.11	1,444.79	65	178.14	161.31	144.48	
66	1,907.68	1,739.36	1,571.03	66	190.77	173.94	157.10	
67	2,047.95	1,879.63	1,697.27	67	204.80	187.96	169.73	
68	2,188.22	2,019.90	1,837.54	68	218.82	201.99	183.75	
69	2,342.52	2,174.19	1,991.84	69	234.25	217.42	199.18	
Fractional I	Premiums (exn	ressed as a r	percent of annu	al premium)				
Semi-annu					51 0%			

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

Monthly Statement Billed & Automatic Premium Deposit

Semi-annual

Quarterly

Rate Table 31

51.0%

26.0%

9.0%

FACILITY ONLY BENEFITS FORM: H-LTC4JFQ15, et al.

UNLIMITED BENEFIT PERIOD

) Base Benefi nination Perio			Additional \$5 Increments Elimination Period			
Issue Age	20 Days	60 Days	100 Days	Issue Age	20 Days	60 Days	100 Days	
70	2,510.84	2,342.52	2,160.17	70	251.08	234.25	216.02	
71	2,805.41	2,609.03	2,398.63	71	280.54	260.90	239.86	
72	3,128.03	2,903.60	2,665.14	72	312.80	290.36	266.51	
73	3,478.71	3,226.22	2,959.71	73	347.87	322.62	295.97	
74	3,885.50	3,590.93	3,282.33	74	388.55	359.09	328.23	
75	4,334.36	3,997.71	3,647.04	75	433.44	399.77	364.70	
76	4,825.31	4,446.58	4,067.85	76	482.53	444.66	406.78	
77	5,372.36	4,951.55	4,530.74	77	537.24	495.16	453.07	
78	5,989.55	5,526.66	5,049.74	78	598.96	552.67	504.97	
79	6,676.88	6,157.88	5,624.85	79	667.69	615.79	562.49	
				80	743.43	685.92	627.01	
				81	820.58	756.06	691.53	
				82	906.15	834.61	763.07	
				83	1,001.53	922.98	843.03	
				84	1,105.33	1,018.36	929.99	
				85	1,220.35	1,123.57	1,026.78	
				86	1,373.25	1,265.24	1,155.83	
				87	1,545.78	1,422.34	1,300.31	
				88	1,737.95	1,600.49	1,463.02	
				89	1,955.37	1,815.10	1,645.37	
				90	2,199.44	2,025.51	1,851.57	
				91	2,474.37	2,277.99	2,081.62	
				92	2,784.37	2,562.74	2,342.52	
				93	3,132.24	2,883.96	2,635.68	
				94	3,523.60	3,244.46	2,963.92	
				95	3,964.05	3,649.84	3,335.63	
				96	4,459.20	4,105.72	3,752.24	
				97	5,016.08	4,619.11	4,220.74	
				98	5,643.09	5,195.62	4,748.16	
				99	6,348.65	5,845.08	5,341.50	

Fractional Premiums (expressed as a percent of annual premium)
--

Semi-annual	51.0%
Quarterly	26.0%
Monthly Statement Billed & Automatic Premium Deposit	9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY SIMPLE INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AISFO

2-YEAR BENEFIT PERIOD

\$50 Base Benefit Elimination Period					Additional \$5 Increments Elimination Period			
Issue				Issue				
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days	
18-39	378.73	364.70	336.65	18-39	37.87	36.47	33.66	
40	378.73	364.70	336.65	40	37.87	36.47	33.66	
41	392.76	378.73	350.68	41	39.28	37.87	35.07	
42	406.78	392.76	364.70	42	40.68	39.28	36.47	
43	420.81	406.78	378.73	43	42.08	40.68	37.87	
44	434.84	420.81	392.76	44	43.48	42.08	39.28	
45	448.87	434.84	406.78	45	44.89	43.48	40.68	
46	476.92	448.87	420.81	46	47.69	44.89	42.08	
47	490.95	462.89	434.84	47	49.09	46.29	43.48	
48	504.97	476.92	448.87	48	50.50	47.69	44.89	
49	533.03	504.97	462.89	49	53.30	50.50	46.29	
50	547.06	519.00	476.92	50	54.71	51.90	47.69	
51	561.08	533.03	490.95	51	56.11	53.30	49.09	
52	589.14	561.08	519.00	52	58.91	56.11	51.90	
53	617.19	575.11	533.03	53	61.72	57.51	53.30	
54	631.22	589.14	547.06	54	63.12	58.91	54.71	
55	659.27	617.19	575.11	55	65.93	61.72	57.51	
56	701.35	659.27	603.16	56	70.14	65.93	60.32	
57	757.46	701.35	645.24	57	75.75	70.14	64.52	
58	799.54	743.43	687.33	58	79.95	74.34	68.73	
59	855.65	799.54	729.41	59	85.57	79.95	72.94	
60	911.76	841.62	771.49	60	91.18	84.16	77.15	
61	981.89	911.76	827.60	61	98.19	91.18	82.76	
62	1,052.03	981.89	897.73	62	105.20	98.19	89.77	
63	1,122.16	1,052.03	967.87	63	112.22	105.20	96.79	
64	1,206.33	1,122.16	1,038.00	64	120.63	112.22	103.80	
65	1,290.49	1,206.33	1,122.16	65	129.05	120.63	112.22	
66	1,402.71	1,318.54	1,220.35	66	140.27	131.85	122.04	
67	1,528.95	1,430.76	1,318.54	67	152.89	143.08	131.85	
68	1,669.22	1,557.00	1,430.76	68	166.92	155.70	143.08	
69	1,809.49	1,683.25	1,557.00	69	180.95	168.32	155.70	

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0%
Quarterly 26.0%
Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY SIMPLE INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AISFO

2-YEAR BENEFIT PERIOD

) Base Benefi nination Perio				nal \$5 Incremination Perio	
Issue				Issue			
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days
70	1,977.82	1,837.54	1,683.25	70	197.78	183.75	168.32
71	2,174.19	2,019.90	1,851.57	71	217.42	201.99	185.16
72	2,398.63	2,230.30	2,047.95	72	239.86	223.03	204.80
73	2,651.11	2,454.74	2,258.36	73	265.11	245.47	225.84
74	2,917.63	2,707.22	2,496.82	74	291.76	270.72	249.68
75	3,212.20	2,987.76	2,749.30	75	321.22	298.78	274.93
76	3,618.98	3,366.49	3,099.98	76	361.90	336.65	310.00
77	4,067.85	3,787.31	3,492.74	77	406.78	378.73	349.27
78	4,572.82	4,264.23	3,941.60	78	457.28	426.42	394.16
79	5,133.90	4,797.25	4,446.58	79	513.39	479.73	444.66
80		5,400.42	5,007.66	80		540.04	500.77
81		6,045.66	5,610.82	81		604.57	561.08
82		6,761.04	6,284.12	82		676.10	628.41
83		7,574.61	7,041.58	83		757.46	704.16
84		8,472.34	7,883.21	84		847.23	788.32

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0%
Quarterly 26.0%
Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY SIMPLE INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AISFO

3-YEAR BENEFIT PERIOD

\$50 Base Benefit Elimination Period					Additional \$5 Increments Elimination Period			
Issue				Issue				
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days	
18-39	462.89	434.84	406.78	18-39	46.29	43.48	40.68	
40	462.89	434.84	406.78	40	46.29	43.48	40.68	
41	476.92	448.87	420.81	41	47.69	44.89	42.08	
42	490.95	462.89	434.84	42	49.09	46.29	43.48	
43	519.00	490.95	448.87	43	51.90	49.09	44.89	
44	533.03	504.97	462.89	44	53.30	50.50	46.29	
45	547.06	519.00	476.92	45	54.71	51.90	47.69	
46	575.11	547.06	504.97	46	57.51	54.71	50.50	
47	589.14	561.08	519.00	47	58.91	56.11	51.90	
48	617.19	575.11	533.03	48	61.72	57.51	53.30	
49	631.22	603.16	561.08	49	63.12	60.32	56.11	
50	659.27	617.19	575.11	50	65.93	61.72	57.51	
51	687.33	645.24	603.16	51	68.73	64.52	60.32	
52	715.38	673.30	617.19	52	71.54	67.33	61.72	
53	743.43	701.35	645.24	53	74.34	70.14	64.52	
54	785.52	729.41	673.30	54	78.55	72.94	67.33	
55	813.57	757.46	701.35	55	81.36	75.75	70.14	
56	869.68	813.57	743.43	56	86.97	81.36	74.34	
57	925.79	869.68	799.54	57	92.58	86.97	79.95	
58	981.89	925.79	855.65	58	98.19	92.58	85.57	
59	1,052.03	981.89	911.76	59	105.20	98.19	91.18	
60	1,122.16	1,052.03	981.89	60	112.22	105.20	98.19	
61	1,206.33	1,136.19	1,052.03	61	120.63	113.62	105.20	
62	1,290.49	1,206.33	1,122.16	62	129.05	120.63	112.22	
63	1,388.68	1,304.52	1,206.33	63	138.87	130.45	120.63	
64	1,500.90	1,402.71	1,290.49	64	150.09	140.27	129.05	
65	1,613.11	1,500.90	1,388.68	65	161.31	150.09	138.87	
66	1,753.38	1,641.17	1,514.92	66	175.34	164.12	151.49	
67	1,907.68	1,781.44	1,655.19	67	190.77	178.14	165.52	
68	2,061.98	1,935.73	1,809.49	68	206.20	193.57	180.95	
69	2,244.33	2,104.06	1,963.79	69	224.43	210.41	196.38	

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0%
Quarterly 26.0%
Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY SIMPLE INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AISFO

3-YEAR BENEFIT PERIOD

) Base Benefi nination Perio	_			nal \$5 Increm ination Perio	
Issue Age	20 Days	60 Days	100 Days	Issue Age	20 Days	60 Days	100 Days
70	2,440.71	2,300.44	2,146.14	70	244.07	230.04	214.61
71	2,693.20	2,538.90	2,370.57	71	269.32	253.89	237.06
72	2,973.74	2,805.41	2,623.06	72	297.37	280.54	262.31
73	3,268.30	3,085.95	2,889.57	73	326.83	308.60	288.96
74	3,604.95	3,394.55	3,184.14	74	360.50	339.45	318.41
75	3,983.68	3,759.25	3,520.79	75	398.37	375.93	352.08
76	4,460.61	4,208.12	3,941.60	76	446.06	420.81	394.16
77	4,979.61	4,699.07	4,404.50	77	497.96	469.91	440.45
78	5,568.74	5,246.12	4,923.50	78	556.87	524.61	492.35
79	6,228.01	5,877.34	5,512.63	79	622.80	587.73	551.26

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0% Quarterly 26.0% Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY SIMPLE INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AISFO

5-YEAR BENEFIT PERIOD

\$50 Base Benefit Elimination Period					Additional \$5 Increments Elimination Period			
Issue				Issue				
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days	
18-39	561.08	533.03	490.95	18-39	56.11	53.30	49.09	
40	561.08	533.03	490.95	40	56.11	53.30	49.09	
41	589.14	547.06	504.97	41	58.91	54.71	50.50	
42	603.16	575.11	533.03	42	60.32	57.51	53.30	
43	631.22	589.14	547.06	43	63.12	58.91	54.71	
44	659.27	617.19	575.11	44	65.93	61.72	57.51	
45	687.33	645.24	589.14	45	68.73	64.52	58.91	
46	715.38	673.30	617.19	46	71.54	67.33	61.72	
47	743.43	701.35	645.24	47	74.34	70.14	64.52	
48	771.49	715.38	659.27	48	77.15	71.54	65.93	
49	799.54	743.43	687.33	49	79.95	74.34	68.73	
50	827.60	771.49	715.38	50	82.76	77.15	71.54	
51	855.65	799.54	743.43	51	85.57	79.95	74.34	
52	897.73	841.62	771.49	52	89.77	84.16	77.15	
53	925.79	869.68	799.54	53	92.58	86.97	79.95	
54	953.84	897.73	827.60	54	95.38	89.77	82.76	
55	995.92	925.79	855.65	55	99.59	92.58	85.57	
56	1,066.06	995.92	911.76	56	106.61	99.59	91.18	
57	1,136.19	1,066.06	981.89	57	113.62	106.61	98.19	
58	1,220.35	1,136.19	1,052.03	58	122.04	113.62	105.20	
59	1,304.52	1,220.35	1,122.16	59	130.45	122.04	112.22	
60	1,402.71	1,304.52	1,206.33	60	140.27	130.45	120.63	
61	1,514.92	1,402.71	1,290.49	61	151.49	140.27	129.05	
62	1,627.14	1,514.92	1,388.68	62	162.71	151.49	138.87	
63	1,753.38	1,627.14	1,486.87	63	175.34	162.71	148.69	
64	1,893.65	1,753.38	1,599.08	64	189.37	175.34	159.91	
65	2,033.92	1,879.63	1,711.30	65	203.39	187.96	171.13	
66	2,216.28	2,047.95	1,865.60	66	221.63	204.80	186.56	
67	2,412.65	2,230.30	2,033.92	67	241.27	223.03	203.39	
68	2,623.06	2,426.68	2,230.30	68	262.31	242.67	223.03	
69	2,861.52	2,651.11	2,426.68	69	286.15	265.11	242.67	

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0%
Quarterly 26.0%
Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY SIMPLE INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AISFO

5-YEAR BENEFIT PERIOD

\$50 Base Benefit Elimination Period						nal \$5 Increm ination Perio	
Issue Age	20 Days	60 Days	100 Days	Issue Age	20 Days	60 Days	100 Days
70	3,114.01	2,889.57	2,651.11	70	311.40	288.96	265.11
71	3,436.63	3,184.14	2,917.63	71	343.66	318.41	291.76
72	3,773.28	3,492.74	3,212.20	72	377.33	349.27	321.22
73	4,166.04	3,857.44	3,534.82	73	416.60	385.74	353.48
74	4,586.85	4,250.20	3,899.52	74	458.68	425.02	389.95
75	5,049.74	4,671.01	4,292.28	75	504.97	467.10	429.23
76	5,610.82	5,218.07	4,811.28	76	561.08	521.81	481.13
77	6,228.01	5,821.23	5,400.42	77	622.80	582.12	540.04
78	6,929.37	6,494.53	6,059.69	78	692.94	649.45	605.97
79	7,686.83	7,237.96	6,789.10	79	768.68	723.80	678.91

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0%
Quarterly 26.0%
Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY SIMPLE INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AISFO

UNLIMITED BENEFIT PERIOD

\$50 Base Benefit Elimination Period					Additional \$5 Increments Elimination Period			
Issue				Issue				
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days	
18-39	715.38	687.33	645.24	18-39	71.54	68.73	64.52	
40	715.38	687.33	645.24	40	71.54	68.73	64.52	
41	743.43	715.38	673.30	41	74.34	71.54	67.33	
42	785.52	743.43	701.35	42	78.55	74.34	70.14	
43	813.57	771.49	729.41	43	81.36	77.15	72.94	
44	841.62	799.54	757.46	44	84.16	79.95	75.75	
45	883.70	841.62	785.52	45	88.37	84.16	78.55	
46	925.79	883.70	827.60	46	92.58	88.37	82.76	
47	967.87	911.76	855.65	47	96.79	91.18	85.57	
48	1,009.95	953.84	897.73	48	100.99	95.38	89.77	
49	1,052.03	995.92	925.79	49	105.20	99.59	92.58	
50	1,094.11	1,038.00	967.87	50	109.41	103.80	96.79	
51	1,136.19	1,080.08	1,009.95	51	113.62	108.01	100.99	
52	1,192.30	1,122.16	1,038.00	52	119.23	112.22	103.80	
53	1,234.38	1,164.25	1,080.08	53	123.44	116.42	108.01	
54	1,290.49	1,206.33	1,122.16	54	129.05	120.63	112.22	
55	1,346.60	1,262.44	1,164.25	55	134.66	126.24	116.42	
56	1,444.79	1,346.60	1,248.41	56	144.48	134.66	124.84	
57	1,542.98	1,444.79	1,332.57	57	154.30	144.48	133.26	
58	1,655.19	1,542.98	1,416.73	58	165.52	154.30	141.67	
59	1,767.41	1,641.17	1,514.92	59	176.74	164.12	151.49	
60	1,893.65	1,753.38	1,613.11	60	189.37	175.34	161.31	
61	2,033.92	1,879.63	1,725.33	61	203.39	187.96	172.53	
62	2,174.19	2,019.90	1,865.60	62	217.42	201.99	186.56	
63	2,342.52	2,174.19	1,991.84	63	234.25	217.42	199.18	
64	2,510.84	2,328.49	2,146.14	64	251.08	232.85	214.61	
65	2,693.20	2,496.82	2,300.44	65	269.32	249.68	230.04	
66	2,903.60	2,707.22	2,510.84	66	290.36	270.72	251.08	
67	3,128.03	2,931.66	2,735.28	67	312.80	293.17	273.53	
68	3,366.49	3,184.14	2,987.76	68	336.65	318.41	298.78	
69	3,633.01	3,450.66	3,268.30	69	363.30	345.07	326.83	
Fractional [Pramiume (avr	reseed as a r	sorcont of annu	ıal premium)				

Fractional Premiums (expressed as a percent of annual premium)
Semi-annual 51.0%

Quarterly 26.0% Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY SIMPLE INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AISFO

UNLIMITED BENEFIT PERIOD

) Base Benefi nination Perio		Additional \$5 Increments Elimination Period			
Issue Age	20 Days	60 Days	100 Days	Issue Age	20 Days	60 Days	100 Days
70	3.913.55	3.745.22	3.562.87	70	391.35	374.52	356.29
71	4,320.33	4,123.96	3,913.55	71	432.03	412.40	391.35
72 73	4,755.17 5.246.12	4,530.74 4.993.63	4,306.31 4.741.15	72 73	475.52 524.61	453.07 499.36	430.63 474.11
74	5,793.18	5,512.63	5,218.07	74	579.32	551.26	521.81
75	6,382.31	6,059.69	5,737.07	75	638.23	605.97	573.71
76	7,111.72	6,732.99	6,354.26	76	711.17	673.30	635.43
77	7,911.26	7,476.42	7,041.58	77	791.13	747.64	704.16
78	8,808.99	8,318.05	7,813.07	78	880.90	831.80	781.31
79	9,804.91	9,229.81	8,654.70	79	980.49	922.98	865.47

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0% Quarterly 26.0% Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY COMPOUND INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AICFO

2-YEAR BENEFIT PERIOD

) Base Benefi nination Perio		Additional \$5 Increments Elimination Period			
Issue				Issue			
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days
18-39	547.06	519.00	490.95	18-39	54.71	51.90	49.09
40	547.06	519.00	490.95	40	54.71	51.90	49.09
41	561.08	533.03	504.97	41	56.11	53.30	50.50
42	575.11	547.06	519.00	42	57.51	54.71	51.90
43	603.16	575.11	533.03	43	60.32	57.51	53.30
44	617.19	589.14	547.06	44	61.72	58.91	54.71
45	631.22	603.16	561.08	45	63.12	60.32	56.11
46	645.24	617.19	575.11	46	64.52	61.72	57.51
47	673.30	631.22	589.14	47	67.33	63.12	58.91
48	687.33	659.27	617.19	48	68.73	65.93	61.72
49	715.38	673.30	631.22	49	71.54	67.33	63.12
50	729.41	687.33	645.24	50	72.94	68.73	64.52
51	757.46	715.38	659.27	51	75.75	71.54	65.93
52	771.49	729.41	687.33	52	77.15	72.94	68.73
53	799.54	757.46	701.35	53	79.95	75.75	70.14
54	813.57	771.49	729.41	54	81.36	77.15	72.94
55	841.62	799.54	743.43	55	84.16	79.95	74.34
56	883.70	841.62	785.52	56	88.37	84.16	78.55
57	939.81	883.70	827.60	57	93.98	88.37	82.76
58	995.92	939.81	869.68	58	99.59	93.98	86.97
59	1,052.03	981.89	911.76	59	105.20	98.19	91.18
60	1,108.14	1,038.00	953.84	60	110.81	103.80	95.38
61	1,178.27	1,108.14	1,023.98	61	117.83	110.81	102.40
62	1,262.44	1,178.27	1,080.08	62	126.24	117.83	108.01
63	1,346.60	1,262.44	1,164.25	63	134.66	126.24	116.42
64	1,430.76	1,332.57	1,234.38	64	143.08	133.26	123.44
65	1,528.95	1,430.76	1,318.54	65	152.89	143.08	131.85
66	1,641.17	1,528.95	1,416.73	66	164.12	152.89	141.67
67	1,767.41	1,655.19	1,528.95	67	176.74	165.52	152.89
68	1,907.68	1,781.44	1,655.19	68	190.77	178.14	165.52
69	2,061.98	1,921.71	1,781.44	69	206.20	192.17	178.14

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0%
Quarterly 26.0%
Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY COMPOUND INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AICFO

2-YEAR BENEFIT PERIOD

) Base Benefi nination Perio			Additional \$5 Increments Elimination Period			
Issue				Issue				
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days	
70	2,216.28	2,076.00	1,921.71	70	221.63	207.60	192.17	
71	2,426.68	2,272.38	2,104.06	71	242.67	227.24	210.41	
72	2,665.14	2,496.82	2,314.46	72	266.51	249.68	231.45	
73	2,931.66	2,735.28	2,538.90	73	293.17	273.53	253.89	
74	3,212.20	3,001.79	2,791.38	74	321.22	300.18	279.14	
75	3,520.79	3,296.36	3,057.90	75	352.08	329.64	305.79	
76	3,955.63	3,703.14	3,436.63	76	395.56	370.31	343.66	
77	4,446.58	4,152.01	3,857.44	77	444.66	415.20	385.74	
78	4,993.63	4,671.01	4,348.39	78	499.36	467.10	434.84	
79	5,610.82	5,246.12	4,881.42	79	561.08	524.61	488.14	
80		5,905.39	5,484.58	80		590.54	548.46	
81		6,564.66	6,101.77	81		656.47	610.18	
82		7,322.13	6,803.12	82		732.21	680.31	
83		8,149.72	7,574.61	83		814.97	757.46	
84		9,075.51	8,430.26	84		907.55	843.03	

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0%
Quarterly 26.0%
Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY COMPOUND INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AICFO

3-YEAR BENEFIT PERIOD

) Base Benefi nination Perio			Additional \$5 Increments Elimination Period		
Issue				Issue			
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days
18-39	687.33	645.24	589.14	18-39	68.73	64.52	58.91
40	687.33	645.24	589.14	40	68.73	64.52	58.91
41	701.35	659.27	603.16	41	70.14	65.93	60.32
42	729.41	673.30	617.19	42	72.94	67.33	61.72
43	743.43	701.35	645.24	43	74.34	70.14	64.52
44	771.49	715.38	659.27	44	77.15	71.54	65.93
45	785.52	729.41	673.30	45	78.55	72.94	67.33
46	813.57	757.46	701.35	46	81.36	75.75	70.14
47	827.60	771.49	715.38	47	82.76	77.15	71.54
48	855.65	799.54	743.43	48	85.57	79.95	74.34
49	869.68	813.57	757.46	49	86.97	81.36	75.75
50	897.73	841.62	785.52	50	89.77	84.16	78.55
51	925.79	869.68	813.57	51	92.58	86.97	81.36
52	953.84	897.73	827.60	52	95.38	89.77	82.76
53	981.89	925.79	855.65	53	98.19	92.58	85.57
54	1,009.95	953.84	883.70	54	100.99	95.38	88.37
55	1,038.00	981.89	911.76	55	103.80	98.19	91.18
56	1,094.11	1,038.00	967.87	56	109.41	103.80	96.79
57	1,164.25	1,094.11	1,009.95	57	116.42	109.41	100.99
58	1,234.38	1,150.22	1,066.06	58	123.44	115.02	106.61
59	1,304.52	1,220.35	1,136.19	59	130.45	122.04	113.62
60	1,388.68	1,290.49	1,192.30	60	138.87	129.05	119.23
61	1,472.84	1,374.65	1,276.46	61	147.28	137.47	127.65
62	1,571.03	1,472.84	1,360.62	62	157.10	147.28	136.06
63	1,683.25	1,571.03	1,444.79	63	168.32	157.10	144.48
64	1,795.46	1,669.22	1,542.98	64	179.55	166.92	154.30
65	1,907.68	1,781.44	1,641.17	65	190.77	178.14	164.12
66	2,061.98	1,921.71	1,781.44	66	206.20	192.17	178.14
67	2,230.30	2,076.00	1,921.71	67	223.03	207.60	192.17
68	2,412.65	2,244.33	2,076.00	68	241.27	224.43	207.60
69	2,609.03	2,440.71	2,258.36	69	260.90	244.07	225.84

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0% Quarterly 26.0% Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY COMPOUND INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AICFO

3-YEAR BENEFIT PERIOD

) Base Benefi nination Perio		Additional \$5 Increments Elimination Period			
Issue Age	20 Days	60 Days	100 Days	Issue Age	20 Days	60 Days	100 Days
70	2,819.44	2,637.09	2,440.71	70	281.94	263.71	244.07
71	3,085.95	2,889.57	2,679.17	71	308.60	288.96	267.92
72	3,394.55	3,170.12	2,945.68	72	339.45	317.01	294.57
73	3,717.17	3,478.71	3,226.22	73	371.72	347.87	322.62
74	4,081.87	3,815.36	3,548.85	74	408.19	381.54	354.88
75	4,474.63	4,194.09	3,899.52	75	447.46	419.41	389.95
76	4,979.61	4,656.98	4,334.36	76	497.96	465.70	433.44
77	5,540.69	5,190.01	4,825.31	77	554.07	519.00	482.53
78	6,171.91	5,765.12	5,358.34	78	617.19	576.51	535.83
79	6,873.26	6,424.39	5,961.50	79	687.33	642.44	596.15

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0% Quarterly 26.0% Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY COMPOUND INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AICFO

5-YEAR BENEFIT PERIOD

) Base Benefi nination Perio		Additional \$5 Increments Elimination Period			
Issue				Issue			
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days
18-39	855.65	799.54	729.41	18-39	85.57	79.95	72.94
40	855.65	799.54	729.41	40	85.57	79.95	72.94
41	883.70	827.60	757.46	41	88.37	82.76	75.75
42	911.76	841.62	771.49	42	91.18	84.16	77.15
43	925.79	869.68	799.54	43	92.58	86.97	79.95
44	953.84	897.73	827.60	44	95.38	89.77	82.76
45	981.89	911.76	841.62	45	98.19	91.18	84.16
46	1,009.95	939.81	869.68	46	100.99	93.98	86.97
47	1,038.00	967.87	897.73	47	103.80	96.79	89.77
48	1,080.08	1,009.95	925.79	48	108.01	100.99	92.58
49	1,108.14	1,038.00	953.84	49	110.81	103.80	95.38
50	1,136.19	1,066.06	981.89	50	113.62	106.61	98.19
51	1,164.25	1,094.11	1,009.95	51	116.42	109.41	100.99
52	1,206.33	1,122.16	1,038.00	52	120.63	112.22	103.80
53	1,234.38	1,150.22	1,066.06	53	123.44	115.02	106.61
54	1,262.44	1,192.30	1,108.14	54	126.24	119.23	110.81
55	1,304.52	1,220.35	1,136.19	55	130.45	122.04	113.62
56	1,388.68	1,304.52	1,206.33	56	138.87	130.45	120.63
57	1,458.81	1,374.65	1,276.46	57	145.88	137.47	127.65
58	1,557.00	1,458.81	1,346.60	58	155.70	145.88	134.66
59	1,641.17	1,528.95	1,416.73	59	164.12	152.89	141.67
60	1,739.36	1,627.14	1,500.90	60	173.94	162.71	150.09
61	1,851.57	1,725.33	1,599.08	61	185.16	172.53	159.91
62	1,977.82	1,837.54	1,697.27	62	197.78	183.75	169.73
63	2,118.09	1,963.79	1,809.49	63	211.81	196.38	180.95
64	2,258.36	2,090.03	1,921.71	64	225.84	209.00	192.17
65	2,412.65	2,230.30	2,047.95	65	241.27	223.03	204.80
66	2,609.03	2,412.65	2,216.28	66	260.90	241.27	221.63
67	2,819.44	2,623.06	2,412.65	67	281.94	262.31	241.27
68	3,057.90	2,847.49	2,623.06	68	305.79	284.75	262.31
69	3,310.39	3,085.95	2,847.49	69	331.04	308.60	284.75
	,						

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0%
Quarterly 26.0%
Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY COMPOUND INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AICFO

5-YEAR BENEFIT PERIOD

\$50 Base Benefit Elimination Period					Additional \$5 Increments Elimination Period			
Issue Age	20 Days	60 Days	100 Days	Issue Age	20 Days	60 Days	100 Days	
70	3,576.90	3,338.44	3,085.95	70	357.69	333.84	308.60	
71	3,913.55	3,647.04	3,366.49	71	391.35	364.70	336.65	
72	4,292.28	3,983.68	3,675.09	72	429.23	398.37	367.51	
73	4,699.07	4,362.42	4,011.74	73	469.91	436.24	401.17	
74	5,133.90	4,755.17	4,376.44	74	513.39	475.52	437.64	
75	5,624.85	5,204.04	4,783.23	75	562.49	520.40	478.32	
76	6,228.01	5,793.18	5,344.31	76	622.80	579.32	534.43	
77	6,887.29	6,424.39	5,961.50	77	688.73	642.44	596.15	
78	7,616.69	7,139.77	6,648.83	78	761.67	713.98	664.88	
79	8,430.26	7,925.29	7,420.31	79	843.03	792.53	742.03	

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0% Quarterly 26.0% Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY COMPOUND INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AICFO

UNLIMITED BENEFIT PERIOD

) Base Benefi nination Perio	Additional \$5 Increments Elimination Period				
Issue				Issue			
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days
18-39	1,108.14	1,052.03	981.89	18-39	110.81	105.20	98.19
40	1,108.14	1,052.03	981.89	40	110.81	105.20	98.19
41	1,150.22	1,094.11	1,023.98	41	115.02	109.41	102.40
42	1,192.30	1,122.16	1,052.03	42	119.23	112.22	105.20
43	1,234.38	1,164.25	1,094.11	43	123.44	116.42	109.41
44	1,276.46	1,206.33	1,136.19	44	127.65	120.63	113.62
45	1,318.54	1,248.41	1,178.27	45	131.85	124.84	117.83
46	1,360.62	1,290.49	1,220.35	46	136.06	129.05	122.04
47	1,416.73	1,346.60	1,262.44	47	141.67	134.66	126.24
48	1,458.81	1,388.68	1,304.52	48	145.88	138.87	130.45
49	1,514.92	1,430.76	1,346.60	49	151.49	143.08	134.66
50	1,571.03	1,486.87	1,402.71	50	157.10	148.69	140.27
51	1,613.11	1,528.95	1,430.76	51	161.31	152.89	143.08
52	1,655.19	1,571.03	1,472.84	52	165.52	157.10	147.28
53	1,697.27	1,613.11	1,514.92	53	169.73	161.31	151.49
54	1,753.38	1,655.19	1,542.98	54	175.34	165.52	154.30
55	1,795.46	1,697.27	1,585.06	55	179.55	169.73	158.51
56	1,893.65	1,781.44	1,669.22	56	189.37	178.14	166.92
57	2,005.87	1,879.63	1,753.38	57	200.59	187.96	175.34
58	2,118.09	1,977.82	1,837.54	58	211.81	197.78	183.75
59	2,244.33	2,090.03	1,935.73	59	224.43	209.00	193.57
60	2,370.57	2,202.25	2,033.92	60	237.06	220.22	203.39
61	2,524.87	2,342.52	2,160.17	61	252.49	234.25	216.02
62	2,679.17	2,496.82	2,300.44	62	267.92	249.68	230.04
63	2,847.49	2,651.11	2,454.74	63	284.75	265.11	245.47
64	3,029.84	2,819.44	2,609.03	64	302.98	281.94	260.90
65	3,226.22	3,001.79	2,777.36	65	322.62	300.18	277.74
66	3,450.66	3,226.22	3,001.79	66	345.07	322.62	300.18
67	3,689.12	3,478.71	3,254.28	67	368.91	347.87	325.43
68	3,955.63	3,745.22	3,534.82	68	395.56	374.52	353.48
69	4,236.17	4,025.77	3,815.36	69	423.62	402.58	381.54
Fractional I	Premiums (exp	ressed as a p	percent of annu	ual premium)			

Semi-annual 51.0%
Quarterly 26.0%
Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY COMPOUND INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AICFO

UNLIMITED BENEFIT PERIOD

		0 Base Benefi mination Perio		Additional \$5 Increments Elimination Period			
Issue Age	20 Days	60 Days	100 Days	Issue Age	20 Days	60 Days	100 Days
70	4,530.74	4,334.36	4,137.98	70	453.07	433.44	413.80
71	4,965.58	4,741.15	4,516.71	71	496.56	474.11	451.67
72	5,428.47	5,175.99	4,923.50	72	542.85	517.60	492.35
73	5,947.47	5,666.93	5,372.36	73	594.75	566.69	537.24
74	6,508.56	6,185.93	5,863.31	74	650.86	618.59	586.33
75	7,125.75	6,761.04	6,396.34	75	712.57	676.10	639.63
76	7,897.23	7,476.42	7,055.61	76	789.72	747.64	705.56
77	8,766.91	8,275.97	7,770.99	77	876.69	827.60	777.10
78	9,720.75	9,145.64	8,570.53	78	972.08	914.56	857.05
79	10,786.81	10,127.54	9,454.24	79	1,078.68	1,012.75	945.42

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0% Quarterly 26.0% Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY BENEFITS FORM: H-LTC4JFQ15, et al.

2-YEAR BENEFIT PERIOD

		Base Benefi			Additional \$5 Increments Elimination Period		
Issue				Issue			
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days
18-39	207.64	196.10	184.57	18-39	20.76	19.61	18.46
40	207.64	196.10	184.57	40	20.76	19.61	18.46
41	219.17	207.64	196.10	41	21.92	20.76	19.61
42	219.17	207.64	196.10	42	21.92	20.76	19.61
43	230.71	219.17	207.64	43	23.07	21.92	20.76
44	242.24	230.71	207.64	44	24.22	23.07	20.76
45	242.24	230.71	219.17	45	24.22	23.07	21.92
46	253.78	242.24	219.17	46	25.38	24.22	21.92
47	265.31	253.78	230.71	47	26.53	25.38	23.07
48	265.31	253.78	242.24	48	26.53	25.38	24.22
49	276.85	265.31	242.24	49	27.68	26.53	24.22
50	288.39	276.85	253.78	50	28.84	27.68	25.38
51	299.92	288.39	265.31	51	29.99	28.84	26.53
52	322.99	311.46	288.39	52	32.30	31.15	28.84
53	346.06	322.99	299.92	53	34.61	32.30	29.99
54	357.60	334.53	311.46	54	35.76	33.45	31.15
55	380.67	357.60	334.53	55	38.07	35.76	33.45
56	403.74	380.67	346.06	56	40.37	38.07	34.61
57	426.81	403.74	369.13	57	42.68	40.37	36.91
58	461.42	426.81	392.20	58	46.14	42.68	39.22
59	484.49	449.88	403.74	59	48.45	44.99	40.37
60	519.09	472.95	426.81	60	51.91	47.30	42.68
61	565.24	519.09	461.42	61	56.52	51.91	46.14
62	599.84	553.70	496.02	62	59.98	55.37	49.60
63	657.52	599.84	542.16	63	65.75	59.98	54.22
64	703.66	645.98	588.31	64	70.37	64.60	58.83
65	761.34	703.66	634.45	65	76.13	70.37	63.44
66	830.55	761.34	692.12	66	83.05	76.13	69.21
67	911.30	830.55	749.80	67	91.13	83.05	74.98
68	992.05	899.76	807.48	68	99.20	89.98	80.75
69	1,084.33	980.51	876.69	69	108.43	98.05	87.67
Fractional F	Premiums (exp	ressed as a r	percent of annu	ıal premium)			
0 :	1				E4 00/		

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

Monthly Statement Billed & Automatic Premium Deposit

Semi-annual

Quarterly

Rate Table 1

51.0%

26.0%

9.0%

FACILITY ONLY BENEFITS FORM: H-LTC4JFQ15, et al.

2-YEAR BENEFIT PERIOD

) Base Benefi nination Perio		Additional \$5 Increments Elimination Period			
Issue Age	20 Days	60 Days	100 Days	Issue Age	20 Days	60 Days	100 Days
70	1,188.15	1,072.79	957.44	70	118.81	107.28	95.74
71	1,315.04	1,188.15	1,049.72	71	131.50	118.81	104.97
72	1,465.00	1,315.04	1,153.54	72	146.50	131.50	115.35
73	1,626.49	1,453.46	1,268.90	73	162.65	145.35	126.89
74	1,811.06	1,603.42	1,395.78	74	181.11	160.34	139.58
75	2,007.16	1,776.45	1,534.21	75	200.72	177.65	153.42
76	2,237.87	1,972.56	1,707.24	76	223.79	197.26	170.72
77	2,503.18	2,214.80	1,914.88	77	250.32	221.48	191.49
78	2,803.10	2,468.58	2,134.05	78	280.31	246.86	213.41
79	3,126.10	2,756.96	2,376.29	79	312.61	275.70	237.63
80		3,079.95	2,653.14	80	349.52	308.00	265.31
81		3,402.95	2,929.99	81	386.44	340.29	293.00
82		3,760.54	3,241.45	82	427.96	376.05	324.15
83		4,164.28	3,587.51	83	472.95	416.43	358.75
84		4,602.63	3,968.18	84	522.55	460.26	396.82
				85	577.92	508.71	439.50
				86	650.60	573.31	494.87
				87	732.50	644.83	557.16
				88	823.63	724.42	626.37
				89	926.29	815.55	704.81
				90	1,048.57	917.07	792.48
				91	1,172.00	1,032.42	891.69
				92	1,318.50	1,160.46	1,002.43
				93	1,483.45	1,305.81	1,128.16
				94	1,669.17	1,468.46	1,268.90
				95	1,876.81	1,653.02	1,428.08
				96	2,112.13	1,859.51	1,605.73
				97	2,376.29	2,091.37	1,806.45
				98	2,672.75	2,353.22	2,032.54
				99	3,006.13	2,646.22	2,286.32

Fractional Premiums (expressed as a percent of annual premium)	-
Semi-annual	51.0%
Quarterly	26.0%
Monthly Statement Billed & Automatic Premium Deposit	9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY BENEFITS FORM: H-LTC4JFQ15, et al.

3-YEAR BENEFIT PERIOD

	\$50 Base Benefit Elimination Period				Additional \$5 Increments Elimination Period		
Issue				Issue			
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days
18-39	265.31	253.78	230.71	18-39	26.53	25.38	23.07
40	265.31	253.78	230.71	40	26.53	25.38	23.07
41	276.85	265.31	242.24	41	27.68	26.53	24.22
42	276.85	265.31	242.24	42	27.68	26.53	24.22
43	288.39	276.85	253.78	43	28.84	27.68	25.38
44	299.92	288.39	265.31	44	29.99	28.84	26.53
45	311.46	288.39	265.31	45	31.15	28.84	26.53
46	322.99	299.92	276.85	46	32.30	29.99	27.68
47	322.99	311.46	288.39	47	32.30	31.15	28.84
48	334.53	311.46	288.39	48	33.45	31.15	28.84
49	346.06	322.99	299.92	49	34.61	32.30	29.99
50	357.60	334.53	311.46	50	35.76	33.45	31.15
51	369.13	346.06	322.99	51	36.91	34.61	32.30
52	392.20	369.13	334.53	52	39.22	36.91	33.45
53	415.27	380.67	346.06	53	41.53	38.07	34.61
54	426.81	403.74	369.13	54	42.68	40.37	36.91
55	449.88	415.27	380.67	55	44.99	41.53	38.07
56	484.49	449.88	403.74	56	48.45	44.99	40.37
57	507.56	472.95	438.35	57	50.76	47.30	43.83
58	542.16	507.56	461.42	58	54.22	50.76	46.14
59	588.31	542.16	496.02	59	58.83	54.22	49.60
60	622.91	576.77	530.63	60	62.29	57.68	53.06
61	669.05	622.91	576.77	61	66.91	62.29	57.68
62	726.73	680.59	622.91	62	72.67	68.06	62.29
63	784.41	738.27	680.59	63	78.44	73.83	68.06
64	853.62	795.94	738.27	64	85.36	79.59	73.83
65	922.83	865.16	807.48	65	92.28	86.52	80.75
66	1,003.58	945.90	876.69	66	100.36	94.59	87.67
67	1,084.33	1,026.65	957.44	67	108.43	102.67	95.74
68	1,176.61	1,107.40	1,038.19	68	117.66	110.74	103.82
69	1,268.90	1,107.40	1,130.47	69	126.89	119.97	113.05
Fractional	Premiums (exp	ressed as a r	percent of annu	ıal premium)			
0			z. John Or armi	promidini)	E4 00/		

Semi-annual 51.0% Quarterly 26.0%

Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY BENEFITS FORM: H-LTC4JFQ15, et al.

3-YEAR BENEFIT PERIOD

	\$50 Base Benefit Elimination Period				Additional \$5 Increments Elimination Period		
Issue Age	20 Days	60 Days	100 Days	Issue Age	20 Days	60 Days	100 Days
70	1,372.71	1,303.50	1,222.75	70	137.27	130.35	122.28
71	1,534.21	1,453.46	1,372.71	71	153.42	145.35	137.27
72	1,707.24	1,626.49	1,534.21	72	170.72	162.65	153.42
73	1,891.81	1,811.06	1,718.78	73	189.18	181.11	171.88
74	2,110.98	2,018.70	1,914.88	74	211.10	201.87	191.49
75	2,353.22	2,249.41	2,145.59	75	235.32	224.94	214.56
76	2,618.54	2,503.18	2,387.83	76	261.85	250.32	238.78
77	2,918.46	2,791.57	2,664.68	77	291.85	279.16	266.47
78	3,264.52	3,126.10	2,976.14	78	326.45	312.61	297.61
79	3,633.65	3,472.16	3,310.66	79	363.37	347.22	331.07
				80	404.89	387.59	369.13
				81	447.57	427.96	408.35
				82	494.87	472.95	451.03
				83	552.55	523.71	499.48
				84	604.46	588.31	551.39
				85	667.90	639.06	610.22
				86	752.11	719.81	687.51
				87	845.55	809.79	772.87
				88	951.67	910.14	869.77
				89	1,070.49	1,024.34	978.20
				90	1,204.30	1,152.39	1,100.48
				91	1,354.26	1,296.58	1,241.21
				92	1,523.83	1,458.08	1,392.32
				93	1,714.16	1,640.34	1,566.51
				94	1,928.72	1,845.67	1,761.46
				95	2,169.81	2,076.37	1,981.78
				96	2,440.89	2,334.77	2,229.79
				97	2,745.43	2,626.61	2,508.95
				98	3,089.18	2,955.37	2,821.56
				99	3,474.47	3,324.51	3,174.55

Semi-annual	51.0%
Quarterly	26.0%
Monthly Statement Billed & Automatic Premium Deposit	9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY BENEFITS FORM: H-LTC4JFQ15, et al.

5-YEAR BENEFIT PERIOD

\$50 Base Benefit Elimination Period					Additional \$5 Increments Elimination Period		
Issue			~	Issue			~
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days
18-39	299.92	288.39	265.31	18-39	29.99	28.84	26.53
40	299.92	288.39	265.31	40	29.99	28.84	26.53
41	311.46	299.92	276.85	41	31.15	29.99	27.68
42	322.99	311.46	288.39	42	32.30	31.15	28.84
43	334.53	322.99	299.92	43	33.45	32.30	29.99
44	346.06	334.53	311.46	44	34.61	33.45	31.15
45	357.60	346.06	322.99	45	35.76	34.61	32.30
46	380.67	357.60	334.53	46	38.07	35.76	33.45
47	392.20	369.13	346.06	47	39.22	36.91	34.61
48	403.74	380.67	357.60	48	40.37	38.07	35.76
49	426.81	403.74	369.13	49	42.68	40.37	36.91
50	438.35	415.27	380.67	50	43.83	41.53	38.07
51	449.88	426.81	392.20	51	44.99	42.68	39.22
52	472.95	438.35	403.74	52	47.30	43.83	40.37
53	484.49	449.88	415.27	53	48.45	44.99	41.53
54	507.56	472.95	426.81	54	50.76	47.30	42.68
55	519.09	484.49	438.35	55	51.91	48.45	43.83
56	553.70	519.09	472.95	56	55.37	51.91	47.30
57	599.84	553.70	496.02	57	59.98	55.37	49.60
58	645.98	588.31	530.63	58	64.60	58.83	53.06
59	692.12	634.45	576.77	59	69.21	63.44	57.68
60	738.27	680.59	611.38	60	73.83	68.06	61.14
61	807.48	738.27	669.05	61	80.75	73.83	66.91
62	888.23	807.48	726.73	62	88.82	80.75	72.67
63	968.97	876.69	784.41	63	96.90	87.67	78.44
64	1,049.72	957.44	853.62	64	104.97	95.74	85.36
65	1,153.54	1,049.72	934.37	65	115.35	104.97	93.44
66	1,245.82	1,130.47	1,003.58	66	124.58	113.05	100.36
67	1,349.64	1,222.75	1,084.33	67	134.96	122.28	108.43
68	1,465.00	1,315.04	1,165.08	68	146.50	131.50	116.51
69	1,580.35	1,418.86	1,257.36	69	158.04	141.89	125.74
Fractional	Premiums (exp	ressed as a p	percent of annu	ual premium)			

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

Monthly Statement Billed & Automatic Premium Deposit

Semi-annual

Quarterly

Rate Table 5

51.0%

26.0%

9.0%

FACILITY ONLY BENEFITS FORM: H-LTC4JFQ15, et al.

5-YEAR BENEFIT PERIOD

	\$50 Base Benefit Elimination Period				Additional \$5 Increments Elimination Period		
Issue Age	20 Days	60 Days	100 Days	Issue Age	20 Days	60 Days	100 Days
70	1,707.24	1,534.21	1,349.64	70	170.72	153.42	134.96
71	1,891.81	1,707.24	1,511.14	71	189.18	170.72	151.11
72	2,099.44	1,891.81	1,684.17	72	209.94	189.18	168.42
73	2,330.15	2,099.44	1,868.74	73	233.02	209.94	186.87
74	2,583.93	2,341.69	2,087.91	74	258.39	234.17	208.79
75	2,860.78	2,595.47	2,330.15	75	286.08	259.55	233.02
76	3,183.77	2,895.39	2,595.47	76	318.38	289.54	259.55
77	3,552.91	3,229.92	2,895.39	77	355.29	322.99	289.54
78	3,956.65	3,599.05	3,229.92	78	395.66	359.90	322.99
79	4,406.53	4,002.79	3,599.05	79	440.65	400.28	359.90
				80	491.41	446.42	401.43
				81	542.16	492.56	442.96
				82	599.84	545.62	490.25
				83	662.13	602.15	541.01
				84	731.35	664.44	598.69
				85	807.48	733.65	659.83
				86	908.99	825.94	742.88
				87	1,022.04	928.60	855.93
				88	1,150.08	1,045.11	940.14
				89	1,294.27	1,175.46	1,057.80
				90	1,455.77	1,323.11	1,189.30
				91	1,638.03	1,488.07	1,338.11
				92	1,842.21	1,673.79	1,505.37
				93	2,072.91	1,882.58	1,693.40
				94	2,331.31	2,117.90	1,905.65
				95	2,623.15	2,383.22	2,143.28
				96	2,950.76	2,680.83	2,410.90
				97	3,318.74	3,015.36	2,711.98
				98	3,734.01	3,392.56	3,051.12
				99	4,201.20	3,817.07	3,432.94

Fractional Premiums (expressed as a percent of annual premium)
--

Semi-annual	51.0%
Quarterly	26.0%
Monthly Statement Billed & Automatic Premium Deposit	9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY BENEFITS FORM: H-LTC4JFQ15, et al.

UNLIMITED BENEFIT PERIOD

) Base Benefi		Additional \$5 Increments Elimination Period			
Issue				Issue			
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days
18-39	357.60	346.06	322.99	18-39	35.76	34.61	32.30
40	357.60	346.06	322.99	40	35.76	34.61	32.30
41	369.13	357.60	334.53	41	36.91	35.76	33.45
42	392.20	369.13	346.06	42	39.22	36.91	34.61
43	403.74	380.67	357.60	43	40.37	38.07	35.76
44	415.27	392.20	369.13	44	41.53	39.22	36.91
45	438.35	415.27	380.67	45	43.83	41.53	38.07
46	449.88	426.81	392.20	46	44.99	42.68	39.22
47	472.95	438.35	403.74	47	47.30	43.83	40.37
48	496.02	461.42	415.27	48	49.60	46.14	41.53
49	507.56	472.95	438.35	49	50.76	47.30	43.83
50	530.63	496.02	449.88	50	53.06	49.60	44.99
51	553.70	507.56	461.42	51	55.37	50.76	46.14
52	576.77	530.63	484.49	52	57.68	53.06	48.45
53	599.84	553.70	507.56	53	59.98	55.37	50.76
54	622.91	576.77	519.09	54	62.29	57.68	51.91
55	645.98	599.84	542.16	55	64.60	59.98	54.22
56	692.12	645.98	588.31	56	69.21	64.60	58.83
57	749.80	692.12	634.45	57	74.98	69.21	63.44
58	807.48	749.80	680.59	58	80.75	74.98	68.06
59	876.69	807.48	738.27	59	87.67	80.75	73.83
60	945.90	876.69	795.94	60	94.59	87.67	79.59
61	1,026.65	945.90	865.16	61	102.67	94.59	86.52
62	1,130.47	1,038.19	934.37	62	113.05	103.82	93.44
63	1,234.29	1,130.47	1,015.12	63	123.43	113.05	101.51
64	1,338.11	1,222.75	1,095.86	64	133.81	122.28	109.59
65	1,465.00	1,326.57	1,188.15	65	146.50	132.66	118.81
66	1,568.82	1,430.39	1,291.97	66	156.88	143.04	129.20
67	1,684.17	1,545.75	1,395.78	67	168.42	154.57	139.58
68	1,799.52	1,661.10	1,511.14	68	179.95	166.11	151.11
69	1,926.41	1,787.99	1,638.03	69	192.64	178.80	163.80
Fractional I	Premiums (exp	ressed as a n	ercent of annu	al premium)			
Semi-annu			-	<u> </u>	51.0%		
•					00.00/		

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

Monthly Statement Billed & Automatic Premium Deposit

Quarterly

Rate Table 7

26.0%

9.0%

FACILITY ONLY BENEFITS FORM: H-LTC4JFQ15, et al.

UNLIMITED BENEFIT PERIOD

) Base Benefi nination Perio			Additional \$5 Increments Elimination Period			
Issue				Issue				
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days	
70	2,064.84	1,926.41	1,776.45	70	206.48	192.64	177.65	
71	2,307.08	2,145.59	1,972.56	71	230.71	214.56	197.26	
72	2,572.40	2,387.83	2,191.73	72	257.24	238.78	219.17	
73	2,860.78	2,653.14	2,433.97	73	286.08	265.31	243.40	
74	3,195.31	2,953.07	2,699.29	74	319.53	295.31	269.93	
75	3,564.44	3,287.59	2,999.21	75	356.44	328.76	299.92	
76	3,968.18	3,656.73	3,345.27	76	396.82	365.67	334.53	
77	4,418.06	4,072.00	3,725.94	77	441.81	407.20	372.59	
78	4,925.62	4,544.95	4,152.75	78	492.56	454.50	415.27	
79	5,490.86	5,064.05	4,625.70	79	549.09	506.40	462.57	
				80	611.38	564.08	515.63	
				81	674.82	621.76	568.70	
				82	745.19	686.36	627.53	
				83	823.63	759.03	693.28	
				84	908.99	837.47	764.80	
				85	1,003.58	923.99	844.39	
				86	1,129.32	1,040.49	950.52	
				87	1,271.20	1,169.69	1,069.33	
				88	1,429.24	1,316.19	1,203.14	
				89	1,608.04	1,492.68	1,353.10	
				90	1,808.75	1,665.71	1,522.67	
				91	2,034.85	1,873.35	1,711.85	
				92	2,289.78	2,107.52	1,926.41	
				93	2,575.86	2,371.68	2,167.50	
				94	2,897.70	2,668.14	2,437.43	
				95	3,259.91	3,001.51	2,743.12	
				96	3,667.11	3,376.41	3,085.72	
				97	4,125.06	3,798.61	3,471.01	
				98	4,640.70	4,272.72	3,904.74	
				99	5,220.93	4,806.81	4,392.68	

Fractional Premiums (expressed as a percent of annual premium)
--

Semi-annual	51.0%
Quarterly	26.0%
Monthly Statement Billed & Automatic Premium Deposit	9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY SIMPLE INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AISFO

2-YEAR BENEFIT PERIOD

) Base Benefi nination Perio		Additional \$5 Increments Elimination Period			
Issue				Issue			
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days
18-39	311.46	299.92	276.85	18-39	31.15	29.99	27.68
40	311.46	299.92	276.85	40	31.15	29.99	27.68
41	322.99	311.46	288.39	41	32.30	31.15	28.84
42	334.53	322.99	299.92	42	33.45	32.30	29.99
43	346.06	334.53	311.46	43	34.61	33.45	31.15
44	357.60	346.06	322.99	44	35.76	34.61	32.30
45	369.13	357.60	334.53	45	36.91	35.76	33.45
46	392.20	369.13	346.06	46	39.22	36.91	34.61
47	403.74	380.67	357.60	47	40.37	38.07	35.76
48	415.27	392.20	369.13	48	41.53	39.22	36.91
49	438.35	415.27	380.67	49	43.83	41.53	38.07
50	449.88	426.81	392.20	50	44.99	42.68	39.22
51	461.42	438.35	403.74	51	46.14	43.83	40.37
52	484.49	461.42	426.81	52	48.45	46.14	42.68
53	507.56	472.95	438.35	53	50.76	47.30	43.83
54	519.09	484.49	449.88	54	51.91	48.45	44.99
55	542.16	507.56	472.95	55	54.22	50.76	47.30
56	576.77	542.16	496.02	56	57.68	54.22	49.60
57	622.91	576.77	530.63	57	62.29	57.68	53.06
58	657.52	611.38	565.24	58	65.75	61.14	56.52
59	703.66	657.52	599.84	59	70.37	65.75	59.98
60	749.80	692.12	634.45	60	74.98	69.21	63.44
61	807.48	749.80	680.59	61	80.75	74.98	68.06
62	865.16	807.48	738.27	62	86.52	80.75	73.83
63	922.83	865.16	795.94	63	92.28	86.52	79.59
64	992.05	922.83	853.62	64	99.20	92.28	85.36
65	1,061.26	992.05	922.83	65	106.13	99.20	92.28
66	1,153.54	1,084.33	1,003.58	66	115.35	108.43	100.36
67	1,257.36	1,176.61	1,084.33	67	125.74	117.66	108.43
68	1,372.71	1,280.43	1,176.61	68	137.27	128.04	117.66
69	1,488.07	1,384.25	1,280.43	69	148.81	138.42	128.04

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0% Quarterly 26.0% Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY SIMPLE INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AISFO

2-YEAR BENEFIT PERIOD

	<u>\$50</u>) Base Benefi		Additional \$5 Increments				
	Elin	nination Perio	d		Elimination Period			
Issue				Issue				
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days	
70	1,626.49	1,511.14	1,384.25	70	162.65	151.11	138.42	
71	1,787.99	1,661.10	1,522.67	71	178.80	166.11	152.27	
72	1,972.56	1,834.13	1,684.17	72	197.26	183.41	168.42	
73	2,180.19	2,018.70	1,857.20	73	218.02	201.87	185.72	
74	2,399.37	2,226.33	2,053.30	74	239.94	222.63	205.33	
75	2,641.61	2,457.04	2,260.94	75	264.16	245.70	226.09	
76	2,976.14	2,768.50	2,549.33	76	297.61	276.85	254.93	
77	3,345.27	3,114.56	2,872.32	77	334.53	311.46	287.23	
78	3,760.54	3,506.76	3,241.45	78	376.05	350.68	324.15	
79	4,221.96	3,945.11	3,656.73	79	422.20	394.51	365.67	
80		4,441.13	4,118.14	80		444.11	411.81	
81		4,971.76	4,614.16	81		497.18	461.42	
82		5,560.07	5,167.86	82		556.01	516.79	
83		6,229.12	5,790.78	83		622.91	579.08	
84		6,967.39	6,482.90	84		696.74	648.29	

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0%
Quarterly 26.0%
Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY SIMPLE INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AISFO

3-YEAR BENEFIT PERIOD

\$50 Base Benefit Elimination Period					Additional \$5 Increments Elimination Period			
Issue				Issue				
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days	
18-39	380.67	357.60	334.53	18-39	38.07	35.76	33.45	
40	380.67	357.60	334.53	40	38.07	35.76	33.45	
41	392.20	369.13	346.06	41	39.22	36.91	34.61	
42	403.74	380.67	357.60	42	40.37	38.07	35.76	
43	426.81	403.74	369.13	43	42.68	40.37	36.91	
44	438.35	415.27	380.67	44	43.83	41.53	38.07	
45	449.88	426.81	392.20	45	44.99	42.68	39.22	
46	472.95	449.88	415.27	46	47.30	44.99	41.53	
47	484.49	461.42	426.81	47	48.45	46.14	42.68	
48	507.56	472.95	438.35	48	50.76	47.30	43.83	
49	519.09	496.02	461.42	49	51.91	49.60	46.14	
50	542.16	507.56	472.95	50	54.22	50.76	47.30	
51	565.24	530.63	496.02	51	56.52	53.06	49.60	
52	588.31	553.70	507.56	52	58.83	55.37	50.76	
53	611.38	576.77	530.63	53	61.14	57.68	53.06	
54	645.98	599.84	553.70	54	64.60	59.98	55.37	
55	669.05	622.91	576.77	55	66.91	62.29	57.68	
56	715.20	669.05	611.38	56	71.52	66.91	61.14	
57	761.34	715.20	657.52	57	76.13	71.52	65.75	
58	807.48	761.34	703.66	58	80.75	76.13	70.37	
59	865.16	807.48	749.80	59	86.52	80.75	74.98	
60	922.83	865.16	807.48	60	92.28	86.52	80.75	
61	992.05	934.37	865.16	61	99.20	93.44	86.52	
62	1,061.26	992.05	922.83	62	106.13	99.20	92.28	
63	1,142.01	1,072.79	992.05	63	114.20	107.28	99.20	
64	1,234.29	1,153.54	1,061.26	64	123.43	115.35	106.13	
65	1,326.57	1,234.29	1,142.01	65	132.66	123.43	114.20	
66	1,441.93	1,349.64	1,245.82	66	144.19	134.96	124.58	
67	1,568.82	1,465.00	1,361.18	67	156.88	146.50	136.12	
68	1,695.71	1,591.89	1,488.07	68	169.57	159.19	148.81	
69	1,845.67	1,730.31	1,614.96	69	184.57	173.03	161.50	

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0%
Quarterly 26.0%
Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY SIMPLE INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AISFO

3-YEAR BENEFIT PERIOD

) Base Benefi nination Perio	_	Additional \$5 Increments Elimination Period			
Issue Age	20 Days	60 Days	100 Days	Issue Age	20 Days	60 Days	100 Days
70	2,007.16	1,891.81	1,764.92	70	200.72	189.18	176.49
71	2,214.80	2,087.91	1,949.48	71	221.48	208.79	194.95
72	2,445.51	2,307.08	2,157.12	72	244.55	230.71	215.71
73	2,687.75	2,537.79	2,376.29	73	268.78	253.78	237.63
74	2,964.60	2,791.57	2,618.54	74	296.46	279.16	261.85
75	3,276.06	3,091.49	2,895.39	75	327.61	309.15	289.54
76	3,668.26	3,460.62	3,241.45	76	366.83	346.06	324.15
77	4,095.07	3,864.36	3,622.12	77	409.51	386.44	362.21
78	4,579.56	4,314.24	4,048.93	78	457.96	431.42	404.89
79	5,121.72	4,833.34	4,533.42	79	512.17	483.33	453.34

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0% Quarterly 26.0% Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY SIMPLE INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AISFO

5-YEAR BENEFIT PERIOD

\$50 Base Benefit Elimination Period					Additional \$5 Increments Elimination Period			
Issue				Issue				
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days	
18-39	461.42	438.35	403.74	18-39	46.14	43.83	40.37	
40	461.42	438.35	403.74	40	46.14	43.83	40.37	
41	484.49	449.88	415.27	41	48.45	44.99	41.53	
42	496.02	472.95	438.35	42	49.60	47.30	43.83	
43	519.09	484.49	449.88	43	51.91	48.45	44.99	
44	542.16	507.56	472.95	44	54.22	50.76	47.30	
45	565.24	530.63	484.49	45	56.52	53.06	48.45	
46	588.31	553.70	507.56	46	58.83	55.37	50.76	
47	611.38	576.77	530.63	47	61.14	57.68	53.06	
48	634.45	588.31	542.16	48	63.44	58.83	54.22	
49	657.52	611.38	565.24	49	65.75	61.14	56.52	
50	680.59	634.45	588.31	50	68.06	63.44	58.83	
51	703.66	657.52	611.38	51	70.37	65.75	61.14	
52	738.27	692.12	634.45	52	73.83	69.21	63.44	
53	761.34	715.20	657.52	53	76.13	71.52	65.75	
54	784.41	738.27	680.59	54	78.44	73.83	68.06	
55	819.01	761.34	703.66	55	81.90	76.13	70.37	
56	876.69	819.01	749.80	56	87.67	81.90	74.98	
57	934.37	876.69	807.48	57	93.44	87.67	80.75	
58	1,003.58	934.37	865.16	58	100.36	93.44	86.52	
59	1,072.79	1,003.58	922.83	59	107.28	100.36	92.28	
60	1,153.54	1,072.79	992.05	60	115.35	107.28	99.20	
61	1,245.82	1,153.54	1,061.26	61	124.58	115.35	106.13	
62	1,338.11	1,245.82	1,142.01	62	133.81	124.58	114.20	
63	1,441.93	1,338.11	1,222.75	63	144.19	133.81	122.28	
64	1,557.28	1,441.93	1,315.04	64	155.73	144.19	131.50	
65	1,672.63	1,545.75	1,407.32	65	167.26	154.57	140.73	
66	1,822.59	1,684.17	1,534.21	66	182.26	168.42	153.42	
67	1,984.09	1,834.13	1,672.63	67	198.41	183.41	167.26	
68	2,157.12	1,995.63	1,834.13	68	215.71	199.56	183.41	
69	2,353.22	2,180.19	1,995.63	69	235.32	218.02	199.56	

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0%
Quarterly 26.0%
Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY SIMPLE INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AISFO

5-YEAR BENEFIT PERIOD

) Base Benefi nination Perio	_		Additional \$5 Increments Elimination Period		
Issue Age	20 Days	60 Days	100 Days	Issue Age	20 Days	60 Days	100 Days
70	2,560.86	2,376.29	2,180.19	70	256.09	237.63	218.02
71	2,826.18	2,618.54	2,399.37	71	282.62	261.85	239.94
72	3,103.03	2,872.32	2,641.61	72	310.30	287.23	264.16
73	3,426.02	3,172.24	2,906.92	73	342.60	317.22	290.69
74	3,772.08	3,495.23	3,206.84	74	377.21	349.52	320.68
75	4,152.75	3,841.29	3,529.84	75	415.27	384.13	352.98
76	4,614.16	4,291.17	3,956.65	76	461.42	429.12	395.66
77	5,121.72	4,787.20	4,441.13	77	512.17	478.72	444.11
78	5,698.49	5,340.90	4,983.30	78	569.85	534.09	498.33
79	6,321.41	5,952.27	5,583.14	79	632.14	595.23	558.31

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0% Quarterly 26.0% Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY SIMPLE INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AISFO

UNLIMITED BENEFIT PERIOD

\$50 Base Benefit Elimination Period					Additional \$5 Increments Elimination Period			
Issue				Issue				
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days	
18-39	588.31	565.24	530.63	18-39	58.83	56.52	53.06	
40	588.31	565.24	530.63	40	58.83	56.52	53.06	
41	611.38	588.31	553.70	41	61.14	58.83	55.37	
42	645.98	611.38	576.77	42	64.60	61.14	57.68	
43	669.05	634.45	599.84	43	66.91	63.44	59.98	
44	692.12	657.52	622.91	44	69.21	65.75	62.29	
45	726.73	692.12	645.98	45	72.67	69.21	64.60	
46	761.34	726.73	680.59	46	76.13	72.67	68.06	
47	795.94	749.80	703.66	47	79.59	74.98	70.37	
48	830.55	784.41	738.27	48	83.05	78.44	73.83	
49	865.16	819.01	761.34	49	86.52	81.90	76.13	
50	899.76	853.62	795.94	50	89.98	85.36	79.59	
51	934.37	888.23	830.55	51	93.44	88.82	83.05	
52	980.51	922.83	853.62	52	98.05	92.28	85.36	
53	1,015.12	957.44	888.23	53	101.51	95.74	88.82	
54	1,061.26	992.05	922.83	54	106.13	99.20	92.28	
55	1,107.40	1,038.19	957.44	55	110.74	103.82	95.74	
56	1,188.15	1,107.40	1,026.65	56	118.81	110.74	102.67	
57	1,268.90	1,188.15	1,095.86	57	126.89	118.81	109.59	
58	1,361.18	1,268.90	1,165.08	58	136.12	126.89	116.51	
59	1,453.46	1,349.64	1,245.82	59	145.35	134.96	124.58	
60	1,557.28	1,441.93	1,326.57	60	155.73	144.19	132.66	
61	1,672.63	1,545.75	1,418.86	61	167.26	154.57	141.89	
62	1,787.99	1,661.10	1,534.21	62	178.80	166.11	153.42	
63	1,926.41	1,787.99	1,638.03	63	192.64	178.80	163.80	
64	2,064.84	1,914.88	1,764.92	64	206.48	191.49	176.49	
65	2,214.80	2,053.30	1,891.81	65	221.48	205.33	189.18	
66	2,387.83	2,226.33	2,064.84	66	238.78	222.63	206.48	
67	2,572.40	2,410.90	2,249.41	67	257.24	241.09	224.94	
68	2,768.50	2,618.54	2,457.04	68	276.85	261.85	245.70	
69	2,987.67	2,837.71	2,687.75	69	298.77	283.77	268.78	

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0%
Quarterly 26.0%
Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY SIMPLE INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AISFO

UNLIMITED BENEFIT PERIOD

) Base Benefi nination Perio		Additional \$5 Increments Elimination Period			
Issue Age	20 Days	60 Days	100 Days	Issue Age	20 Days	60 Days	100 Days
70	3,218.38	3,079.95	2,929.99	70	321.84	308.00	293.00
71	3,552.91	3,391.41	3,218.38	71	355.29	339.14	321.84
72	3,910.50	3,725.94	3,541.37	72	391.05	372.59	354.14
73	4,314.24	4,106.61	3,898.97	73	431.42	410.66	389.90
74	4,764.12	4,533.42	4,291.17	74	476.41	453.34	429.12
75	5,248.61	4,983.30	4,717.98	75	524.86	498.33	471.80
76	5,848.45	5,537.00	5,225.54	76	584.85	553.70	522.55
77	6,505.97	6,148.37	5,790.78	77	650.60	614.84	579.08
78	7,244.24	6,840.50	6,425.22	78	724.42	684.05	642.52
79	8,063.25	7,590.30	7,117.35	79	806.33	759.03	711.73

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0% Quarterly 26.0% Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY COMPOUND INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AICFO

2-YEAR BENEFIT PERIOD

) Base Benefi nination Perio				nal \$5 Increm ination Perio	
Issue				Issue			
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days
18-39	449.88	426.81	403.74	18-39	44.99	42.68	40.37
40	449.88	426.81	403.74	40	44.99	42.68	40.37
41	461.42	438.35	415.27	41	46.14	43.83	41.53
42	472.95	449.88	426.81	42	47.30	44.99	42.68
43	496.02	472.95	438.35	43	49.60	47.30	43.83
44	507.56	484.49	449.88	44	50.76	48.45	44.99
45	519.09	496.02	461.42	45	51.91	49.60	46.14
46	530.63	507.56	472.95	46	53.06	50.76	47.30
47	553.70	519.09	484.49	47	55.37	51.91	48.45
48	565.24	542.16	507.56	48	56.52	54.22	50.76
49	588.31	553.70	519.09	49	58.83	55.37	51.91
50	599.84	565.24	530.63	50	59.98	56.52	53.06
51	622.91	588.31	542.16	51	62.29	58.83	54.22
52	634.45	599.84	565.24	52	63.44	59.98	56.52
53	657.52	622.91	576.77	53	65.75	62.29	57.68
54	669.05	634.45	599.84	54	66.91	63.44	59.98
55	692.12	657.52	611.38	55	69.21	65.75	61.14
56	726.73	692.12	645.98	56	72.67	69.21	64.60
57	772.87	726.73	680.59	57	77.29	72.67	68.06
58	819.01	772.87	715.20	58	81.90	77.29	71.52
59	865.16	807.48	749.80	59	86.52	80.75	74.98
60	911.30	853.62	784.41	60	91.13	85.36	78.44
61	968.97	911.30	842.09	61	96.90	91.13	84.21
62	1,038.19	968.97	888.23	62	103.82	96.90	88.82
63	1,107.40	1,038.19	957.44	63	110.74	103.82	95.74
64	1,176.61	1,095.86	1,015.12	64	117.66	109.59	101.51
65	1,257.36	1,176.61	1,084.33	65	125.74	117.66	108.43
66	1,349.64	1,257.36	1,165.08	66	134.96	125.74	116.51
67	1,453.46	1,361.18	1,257.36	67	145.35	136.12	125.74
68	1,568.82	1,465.00	1,361.18	68	156.88	146.50	136.12
69	1,695.71	1,580.35	1,465.00	69	169.57	158.04	146.50

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0%
Quarterly 26.0%
Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY COMPOUND INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AICFO

2-YEAR BENEFIT PERIOD

) Base Benefi nination Perio	_			nal \$5 Incremination Perio	
Issue Age	20 Days	60 Days	100 Days	Issue Age	20 Days	60 Days	100 Days
70 74	1,822.59	1,707.24	1,580.35	70 74	182.26	170.72	158.04
71 72	1,995.63 2,191.73	1,868.74 2,053.30	1,730.31 1,903.34	71 72	199.56 219.17	186.87 205.33	173.03 190.33
73	2,410.90	2,249.41	2,087.91	73	241.09	224.94	208.79
74	2,641.61	2,468.58	2,295.55	74	264.16	246.86	229.55
75	2,895.39	2,710.82	2,514.72	75	289.54	271.08	251.47
76	3,252.99	3,045.35	2,826.18	76 77	325.30	304.53	282.62
77 78	3,656.73 4,106.61	3,414.48 3,841.29	3,172.24 3,575.98	77 78	365.67 410.66	341.45 384.13	317.22 357.60
79	4,614.16	4,314.24	4,014.32	79	461.42	431.42	401.43
80		4,856.41	4,510.35	80		485.64	451.03
81		5,398.57	5,017.90	81		539.86	501.79
82		6,021.48	5,594.67	82		602.15	559.47
83 84		6,702.07 7,463.41	6,229.12 6,932.78	83 84		670.21 746.34	622.91 693.28

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0% Quarterly 26.0% Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY COMPOUND INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AICFO

3-YEAR BENEFIT PERIOD

) Base Benefi nination Perio				nal \$5 Incremination Perio	
Issue				Issue			
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days
18-39	565.24	530.63	484.49	18-39	56.52	53.06	48.45
40	565.24	530.63	484.49	40	56.52	53.06	48.45
41	576.77	542.16	496.02	41	57.68	54.22	49.60
42	599.84	553.70	507.56	42	59.98	55.37	50.76
43	611.38	576.77	530.63	43	61.14	57.68	53.06
44	634.45	588.31	542.16	44	63.44	58.83	54.22
45	645.98	599.84	553.70	45	64.60	59.98	55.37
46	669.05	622.91	576.77	46	66.91	62.29	57.68
47	680.59	634.45	588.31	47	68.06	63.44	58.83
48	703.66	657.52	611.38	48	70.37	65.75	61.14
49	715.20	669.05	622.91	49	71.52	66.91	62.29
50	738.27	692.12	645.98	50	73.83	69.21	64.60
51	761.34	715.20	669.05	51	76.13	71.52	66.91
52	784.41	738.27	680.59	52	78.44	73.83	68.06
53	807.48	761.34	703.66	53	80.75	76.13	70.37
54	830.55	784.41	726.73	54	83.05	78.44	72.67
55	853.62	807.48	749.80	55	85.36	80.75	74.98
56	899.76	853.62	795.94	56	89.98	85.36	79.59
57	957.44	899.76	830.55	57	95.74	89.98	83.05
58	1,015.12	945.90	876.69	58	101.51	94.59	87.67
59	1,072.79	1,003.58	934.37	59	107.28	100.36	93.44
60	1,142.01	1,061.26	980.51	60	114.20	106.13	98.05
61	1,211.22	1,130.47	1,049.72	61	121.12	113.05	104.97
62	1,291.97	1,211.22	1,118.93	62	129.20	121.12	111.89
63	1,384.25	1,291.97	1,188.15	63	138.42	129.20	118.81
64	1,476.53	1,372.71	1,268.90	64	147.65	137.27	126.89
65	1,568.82	1,465.00	1,349.64	65	156.88	146.50	134.96
66	1,695.71	1,580.35	1,465.00	66	169.57	158.04	146.50
67	1,834.13	1,707.24	1,580.35	67	183.41	170.72	158.04
68	1,984.09	1,845.67	1,707.24	68	198.41	184.57	170.72
69	2,145.59	2,007.16	1,857.20	69	214.56	200.72	185.72

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0%
Quarterly 26.0%
Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY COMPOUND INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AICFO

3-YEAR BENEFIT PERIOD

) Base Benefi nination Perio		Additional \$5 Increments Elimination Period			
Issue Age	20 Days	60 Days	100 Days	Issue Age	20 Days	60 Days	100 Days
70	2,318.62	2,168.66	2,007.16	70	231.86	216.87	200.72
71	2,537.79	2,376.29	2,203.26	71	253.78	237.63	220.33
72	2,791.57	2,607.00	2,422.44	72	279.16	260.70	242.24
73	3,056.88	2,860.78	2,653.14	73	305.69	286.08	265.31
74	3,356.80	3,137.63	2,918.46	74	335.68	313.76	291.85
75	3,679.80	3,449.09	3,206.84	75	367.98	344.91	320.68
76	4,095.07	3,829.76	3,564.44	76	409.51	382.98	356.44
77	4,556.49	4,268.10	3,968.18	77	455.65	426.81	396.82
78	5,075.58	4,741.05	4,406.53	78	507.56	474.11	440.65
79	5,652.35	5,283.22	4,902.55	79	565.24	528.32	490.25

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0%
Quarterly 26.0%
Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY COMPOUND INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AICFO

5-YEAR BENEFIT PERIOD

) Base Benefi nination Perio				nal \$5 Increm ination Perio	
Issue				Issue			
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days
18-39	703.66	657.52	599.84	18-39	70.37	65.75	59.98
40	703.66	657.52	599.84	40	70.37	65.75	59.98
41	726.73	680.59	622.91	41	72.67	68.06	62.29
42	749.80	692.12	634.45	42	74.98	69.21	63.44
43	761.34	715.20	657.52	43	76.13	71.52	65.75
44	784.41	738.27	680.59	44	78.44	73.83	68.06
45	807.48	749.80	692.12	45	80.75	74.98	69.21
46	830.55	772.87	715.20	46	83.05	77.29	71.52
47	853.62	795.94	738.27	47	85.36	79.59	73.83
48	888.23	830.55	761.34	48	88.82	83.05	76.13
49	911.30	853.62	784.41	49	91.13	85.36	78.44
50	934.37	876.69	807.48	50	93.44	87.67	80.75
51	957.44	899.76	830.55	51	95.74	89.98	83.05
52	992.05	922.83	853.62	52	99.20	92.28	85.36
53	1,015.12	945.90	876.69	53	101.51	94.59	87.67
54	1,038.19	980.51	911.30	54	103.82	98.05	91.13
55	1,072.79	1,003.58	934.37	55	107.28	100.36	93.44
56	1,142.01	1,072.79	992.05	56	114.20	107.28	99.20
57	1,199.68	1,130.47	1,049.72	57	119.97	113.05	104.97
58	1,280.43	1,199.68	1,107.40	58	128.04	119.97	110.74
59	1,349.64	1,257.36	1,165.08	59	134.96	125.74	116.51
60	1,430.39	1,338.11	1,234.29	60	143.04	133.81	123.43
61	1,522.67	1,418.86	1,315.04	61	152.27	141.89	131.50
62	1,626.49	1,511.14	1,395.78	62	162.65	151.11	139.58
63	1,741.85	1,614.96	1,488.07	63	174.18	161.50	148.81
64	1,857.20	1,718.78	1,580.35	64	185.72	171.88	158.04
65	1,984.09	1,834.13	1,684.17	65	198.41	183.41	168.42
66	2,145.59	1,984.09	1,822.59	66	214.56	198.41	182.26
67	2,318.62	2,157.12	1,984.09	67	231.86	215.71	198.41
68	2,514.72	2,341.69	2,157.12	68	251.47	234.17	215.71
69	2,722.36	2,537.79	2,341.69	69	272.24	253.78	234.17

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0%
Quarterly 26.0%
Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY COMPOUND INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AICFO

5-YEAR BENEFIT PERIOD

) Base Benefi nination Perio	-			nal \$5 Increm ination Perio	
Issue Age	20 Days	60 Days	100 Days	Issue Age	20 Days	60 Days	100 Days
70	2,941.53	2,745.43	2,537.79	70	294.15	274.54	253.78
71	3,218.38	2,999.21	2,768.50	71	321.84	299.92	276.85
72	3,529.84	3,276.06	3,022.28	72	352.98	327.61	302.23
73	3,864.36	3,587.51	3,299.13	73	386.44	358.75	329.91
74	4,221.96	3,910.50	3,599.05	74	422.20	391.05	359.90
75	4,625.70	4,279.64	3,933.58	75	462.57	427.96	393.36
76	5,121.72	4,764.12	4,394.99	76	512.17	476.41	439.50
77	5,663.89	5,283.22	4,902.55	77	566.39	528.32	490.25
78	6,263.73	5,871.52	5,467.78	78	626.37	587.15	546.78
79	6,932.78	6,517.51	6,102.23	79	693.28	651.75	610.22

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0% Quarterly 26.0% Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY COMPOUND INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AICFO

UNLIMITED BENEFIT PERIOD

) Base Benefi nination Perio				nal \$5 Incremination Perio	
Issue				Issue			
Age	20 Days	60 Days	100 Days	Age	20 Days	60 Days	100 Days
18-39	911.30	865.16	807.48	18-39	91.13	86.52	80.75
40	911.30	865.16	807.48	40	91.13	86.52	80.75
41	945.90	899.76	842.09	41	94.59	89.98	84.21
42	980.51	922.83	865.16	42	98.05	92.28	86.52
43	1,015.12	957.44	899.76	43	101.51	95.74	89.98
44	1,049.72	992.05	934.37	44	104.97	99.20	93.44
45	1,084.33	1,026.65	968.97	45	108.43	102.67	96.90
46	1,118.93	1,061.26	1,003.58	46	111.89	106.13	100.36
47	1,165.08	1,107.40	1,038.19	47	116.51	110.74	103.82
48	1,199.68	1,142.01	1,072.79	48	119.97	114.20	107.28
49	1,245.82	1,176.61	1,107.40	49	124.58	117.66	110.74
50	1,291.97	1,222.75	1,153.54	50	129.20	122.28	115.35
51	1,326.57	1,257.36	1,176.61	51	132.66	125.74	117.66
52	1,361.18	1,291.97	1,211.22	52	136.12	129.20	121.12
53	1,395.78	1,326.57	1,245.82	53	139.58	132.66	124.58
54	1,441.93	1,361.18	1,268.90	54	144.19	136.12	126.89
55	1,476.53	1,395.78	1,303.50	55	147.65	139.58	130.35
56	1,557.28	1,465.00	1,372.71	56	155.73	146.50	137.27
57	1,649.56	1,545.75	1,441.93	57	164.96	154.57	144.19
58	1,741.85	1,626.49	1,511.14	58	174.18	162.65	151.11
59	1,845.67	1,718.78	1,591.89	59	184.57	171.88	159.19
60	1,949.48	1,811.06	1,672.63	60	194.95	181.11	167.26
61	2,076.37	1,926.41	1,776.45	61	207.64	192.64	177.65
62	2,203.26	2,053.30	1,891.81	62	220.33	205.33	189.18
63	2,341.69	2,180.19	2,018.70	63	234.17	218.02	201.87
64	2,491.65	2,318.62	2,145.59	64	249.16	231.86	214.56
65	2,653.14	2,468.58	2,284.01	65	265.31	246.86	228.40
66	2,837.71	2,653.14	2,468.58	66	283.77	265.31	246.86
67	3,033.81	2,860.78	2,676.22	67	303.38	286.08	267.62
68	3,252.99	3,079.95	2,906.92	68	325.30	308.00	290.69
69	3,483.69	3,310.66	3,137.63	69	348.37	331.07	313.76
Function - L	Duamai						

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0%
Quarterly 26.0%
Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

FACILITY ONLY COMPOUND INFLATION BENEFITS

FORM: H-LTC4JFQ15, et al.

RIDER: H-5AICFO

UNLIMITED BENEFIT PERIOD

) Base Benefi nination Perio		Additional \$5 Increments Elimination Period			
Issue Age	20 Days	60 Days	100 Days	Issue Age	20 Days	60 Days	100 Days
70	3,725.94	3,564.44	3,402.95	70	372.59	356.44	340.29
71	4,083.54	3,898.97	3,714.40	71	408.35	389.90	371.44
72	4,464.20	4,256.57	4,048.93	72	446.42	425.66	404.89
73	4,891.01	4,660.31	4,418.06	73	489.10	466.03	441.81
74	5,352.43	5,087.12	4,821.80	74	535.24	508.71	482.18
75	5,859.99	5,560.07	5,260.15	75	586.00	556.01	526.01
76	6,494.44	6,148.37	5,802.31	76	649.44	614.84	580.23
77	7,209.63	6,805.89	6,390.62	77	720.96	680.59	639.06
78	7,994.04	7,521.09	7,048.14	78	799.40	752.11	704.81
79	8,870.73	8,328.57	7,774.87	79	887.07	832.86	777.49

Fractional Premiums (expressed as a percent of annual premium)

Semi-annual 51.0% Quarterly 26.0% Monthly Statement Billed & Automatic Premium Deposit 9.0%

Nonforfeiture Benefit Rider is an additional 25% of total premium (Rider H-NF3-10)

SERFF Tracking #: MILL-131719034 State Tracking #: MILL-131719034 Company Tracking #: LTC4 TQ FO

State: Pennsylvania Filing Company: Brighthouse Life Insurance Company

TOI/Sub-TOI: LTC04I Individual Long Term Care - Nursing Home/LTC04I.001 Qualified

Product Name: Long-Term Care

Project Name/Number: Round 4.1 Filing/145GEC01-70

Supporting Document Schedules

Satisfied - Item:	Transmittal Letter (A&H)
Comments:	
Attachment(s):	CovLtr_LTC4 TQ FO_PA_20190226.pdf
Item Status:	
Status Date:	
Bypassed - Item:	Actuarial Certification (A&H)
Bypass Reason:	Not applicable as this is not a form filing.
Attachment(s):	
Item Status:	
Status Date:	
Satisfied - Item:	Actuarial Memorandum and Explanatory Information (A&H)
Comments:	
Attachment(s):	AM_LTC4 TQ FO_PA_20190226.pdf Supplement to AM_LTC4 TQ FO_PA_20190226.pdf
Item Status:	
Status Date:	
Bypassed - Item:	Advertisements (A&H)
Bypass Reason:	Not applicable as this is not an advertisement filing.
Attachment(s):	···
Item Status:	
Status Date:	
Satisfied - Item:	Authorization to File (A&H)
Comments:	
Attachment(s):	2017 Brighthouse Auth Letter_LTC4 TQ FO_20190226.pdf
Item Status:	
Status Date:	
Bypassed - Item:	Insert Page Explanation (A&H)
Bypass Reason:	Not applicable as there are no insert pages.
Attachment(s):	· · · · · · · · · · · · · · · · · · ·
Item Status:	

SERFF Tracking #:	MILL-131719034	State Tracking #:	MILL-131719034	Company Tracking #:	LTC4 TQ FO
State: FOI/Sub-TOI: Product Name: Project Name/Number:	Long-Term Ca		Filing C g Home/LTC04l.001 Qualified	ompany: Brighthouse Life In	surance Company
Status Date:					
Satisfied - Item:		Rate Table (A&H)			
Comments:		See the Rate/Rule Sch	edule attachments.		
Attachment(s):					
Item Status:					
Status Date:					
Bypassed - Item:		Replacement Form with	h Highlighted Changes (A	&H)	
Bypass Reason:		Not applicable as this is		,	
Attachment(s):					
Item Status:					
Status Date:					
Bypassed - Item:		Reserve Calculation (A	&H)		
Bypass Reason:		Not applicable as this is	s not a form filing.		
Attachment(s):					
Item Status:					
Status Date:					
Bypassed - Item:		Variability Explanation	(A&H)		
Bypass Reason:		Not applicable as this is	s not a form filing.		
Attachment(s):					
Item Status:					
Status Date:					
Satisfied - Item:		Numerical Data			
Comments:					
Attachment(s):		PA_Supplement Exhibi	ts_LTC4 TQ FO_2019022	26.xlsb	
Item Status:					
Status Date:					
Satisfied - Item:		Sample Policyholder No	otification Letter		
Comments:		-			
Attachment(s):		Policyholder Notification	n Letter.pdf		
Item Status:			·		
Status Date:					

SERFF Tracking #: MILL-131719034 State Tracking #: MILL-131719034 Company Tracking #: LTC4 TQ FO

State: Pennsylvania Filing Company: Brighthouse Life Insurance Company

TOI/Sub-TOI: LTC04l Individual Long Term Care - Nursing Home/LTC04l.001 Qualified

Product Name: Long-Term Care

Project Name/Number: Round 4.1 Filing/145GEC01-70

Attachment PA_Supplement Exhibits_LTC4 TQ FO_20190226.xlsb is not a PDF document and cannot be reproduced here.



8500 Normandale Lake Blvd. Suite 1850 Minneapolis, MN 55437 LISA

Tel +1 952 897 5300 Fax +1 952 897 5301

milliman.com

H-LTC4JFQ15, et al.

February 26, 2019

Honorable Jessica Altman Insurance Commissioner

Pennsylvania Department of Insurance (Department) 1326 Strawberry Square Harrisburg, Pennsylvania 17120

RE: Brighthouse Life Insurance Company

Company NAIC #87726

SERFF Tracking # MILL-131719034

Policy Forms: Nursing Facility Insurance

Annual 5% Compound Benefit Inflation Rider H-5AICFO
Annual 5% Simple Benefit Inflation Rider H-5AISFO
Nonforfeiture Benefit Rider H-NF3-10

Dear Commissioner Altman:

Milliman, Inc. has been retained by GNA Corporation to submit the referenced rate filing on behalf of Brighthouse Life Insurance Company for your review. In preparing this rate filing, I relied on data provided to me by Union Fidelity Life Insurance Company (UFLIC), the retrocessionaire on this business, and Genworth Life Insurance Company (Genworth), a reinsurer of this business.

H-LTC4JFQ15, et al. are existing tax-qualified individual facility only long term care policies of insurance previously approved in 1998. These forms were issued in Pennsylvania from November 1998 through January 2001 and are no longer being marketed in any state. Nationwide, the last policies were issued in 2001.

The company is requesting the approval of a premium rate increase on the above listed forms and all associated riders. The increase is needed due to morbidity and persistency levels which produce lifetime loss ratios in excess of original pricing and the minimum requirement. As noted in the attached actuarial memorandum, six prior increases have been approved and implemented on these forms and associated riders.

- 1. A 20.0% increase was approved on August 10, 2004 and implemented on each contract's next billing anniversary beginning November 20, 2004.
- 2. A 14.92% increase, phased in over a two year period, was approved on July 28, 2010 and implemented on each contract's next billing anniversary beginning December 2, 2010.
- 3. A 15.0% increase was approved on February 28, 2014 and implemented on each contract's next billing anniversary beginning July 12, 2014.
- A 15.0% increase was approved on July 21, 2015 and implemented on each contract's next billing anniversary beginning October 17, 2015.
- 5. A 15.0% increase was approved on December 13, 2016 and implemented on each contract's next billing anniversary beginning March 4, 2017.
- 6. On November 15, 2017, the company requested a rate increase of 33.7%. A 10.0% increase was approved on March 6, 2018 and implemented on each contract's next billing anniversary beginning June 2, 2018.

Emerging experience continues to show the need for the full amount requested in the prior filing so the company is requesting a premium rate increase of 21.6% at this time. While a significantly larger rate increase is justified, the company is willing at this time to forgo approximately 95% of the rate increase needed to restore the loss ratio to the original pricing expectation.

Offices in Principal Cities Worldwide

This work product was prepared to provide assistance to Genworth and Brighthouse Life Insurance Company. Milliman does not intend to benefit and assumes no duty or liability to other parties who receive this work. Milliman recommends Recipient be aided by its own actuary or other qualified professional when reviewing the Milliman work product.



This premium rate increase is needed to reduce the lifetime loss ratio, which far exceeds the original pricing level and the minimum requirements set by state insurance law. The company is seeking approximately equal cumulative premium rate increases across all jurisdictions (except where limited by regulatory restrictions). The company prefers to implement rate increases sooner at the requested level and avoid incrementally larger increases in the future.

Although the company expects to continue to shoulder a significant portion of the rate increase needed on this block, it will continue to monitor experience and reserves the right to request additional rate increases, even if experience does not deteriorate further from the current level.

Similar to the prior increases, the company will offer insureds affected by the premium increase the option of reducing their benefits, where possible, to provide flexibility of choice for those insureds who wish to maintain a premium level reasonably similar to what they were paying prior to the rate increase. There are several options for benefit reductions available to most policyholders (subject to policy and state minimum requirements). Insureds may be able to increase their elimination period, shorten their benefit period, reduce their daily benefit amount, remove or reduce inflation protection, or any combination of these.

For eligible policyholders who do not have a nonforfeiture benefit as part of their policy, the company is making an optional limited benefit available for those who wish to elect a limited paid-up long term care insurance benefit. This option provides a paid-up policy with benefits equal to the total of premiums paid, less any claims paid. While the company is strongly encouraging policyholders to keep or reduce their existing coverage, it believes it is important to provide a comprehensive set of options to policyholders. The optional limited benefit endorsement form MICC OLB 10/07/2013 was previously approved by the Department.

The following electronic items are included in this submission:

- this cover letter;
- a sample policyholder notification letter*:
- a letter from Brighthouse Life Insurance Company authorizing us to submit this filing on their behalf;
- an actuarial memorandum and rate schedules;
- a supplement to the actuarial memorandum; and
- a Microsoft Excel workbook containing all numerical data.

The required \$100 filing fee will be paid via Electronic Funds Transfer (EFT).

^{*} Please note that in the future, slight variations in letter language may occur that do not materially change the information being provided to the policyholder. As the letter does not require Department approval, we understand that it will not be necessary to file each of these minor variations with the state of Pennsylvania.



The contact person for this filing is:

John Hebig, FSA, MAAA Actuary 8500 Normandale Lake Blvd., Suite 1850 Minneapolis, MN 55437 (952) 820-2488 john.hebig@milliman.com

Thank you for your assistance in reviewing this filing.

Respectfully,

Mike Bergerson, FSA, MAAA Principal and Consulting Actuary

Michael Bergeson

MAB/dac

Enclosures

Address: 1209 Orange Street, Wilmington, DE 19801

Actuarial Memorandum for the LTC4 Tax-Qualified Nursing Facility Only Product

February 2019

Product or Rider
Nursing Facility Insurance
Annual 5% Compound Benefit Inflation Rider
Annual 5% Simple Benefit Inflation Rider
Nonforfeiture Benefit Rider

Form Number
H-LTC4JFQ15, et al.
H-5AICFO
H-5AISFO
H-NF3-10

These policy forms are tax-qualified individual policy forms providing facility only long term care coverage. These forms were issued in Pennsylvania from November 1998 through January 2001.

1. Purpose of Filing

This actuarial memorandum has been prepared for the purpose of documenting the rates and demonstrating that the anticipated loss ratio of this product with those rates meets the minimum requirements in the statutes of Pennsylvania. It may not be suitable for other purposes.

2. Description of Benefits

These are individually underwritten policies which pay a daily benefit for Nursing Facility Care, Assisted Living Facility Care, Alzheimer's Facility Care, Hospice Facility Care, Bed Reservation, and Respite Care provided in a Facility setting.

Elimination periods are 20, 60, and 100 days. The elimination period applies to all benefits except the Respite Care Benefit, Care Coordination Benefit, and Supplemental Benefits. The elimination period must be satisfied in full only once during the life of the contract.

Benefit periods are 2 years, 3 years, 5 years, and unlimited. Benefit eligibility is defined as having a 90-day certification period and not being able to perform at least two of six ADLs (dressing, eating, toileting, transferring, bathing, and continence) or cognitive impairment.

Premiums will be waived if benefits, other than Respite Care, Care Coordination, or Supplemental, are being paid.

A 5% simple, a 5% compound, and a cost of living (CPI) inflation rider as well as a non-forfeiture rider are available options.

3. Renewability

These policy forms are guaranteed renewable for life.

4. Applicability

This filing is applicable to in-force policies only as these policy forms are no longer being sold in the market. The premium changes will apply to the base form and all riders associated with the base form.

Address: 1209 Orange Street, Wilmington, DE 19801

Actuarial Memorandum for the LTC4 Tax-Qualified Nursing Facility Only Product

February 2019

5. Actuarial Assumptions

a. Morbidity. In 2015 Genworth Life Insurance Company (Genworth) long-term care (LTC) actuaries undertook a project to develop a completely new and up-to-date set of claim costs to be used for this block of business. Genworth is the administrator and a reinsurer for these policies. The 2015 claim costs were derived from Genworth's 2014 best estimate morbidity assumptions used for older blocks of Genworth LTC business that correlate to the Brighthouse Life Insurance Company policy forms.

In 2017 the morbidity assumption changed materially as new claim costs were developed. The 2017 claim costs addressed several issues discovered in relation to the development of the 2015 claim costs. The 2017 claim costs also relied more heavily on the experience of this block of business, rather than that of Genworth in the development of the initial claim costs.

The 2017 claim costs were developed in two high-level phases. The first step was the development of initial claim costs using Genworth's Claim Cost Generator (CCG). The second step involved fitting of the initial claim costs to the historical experience for this block of business.

Genworth's CCG reflects four assumptions in the development of the initial claim costs: claim incidence rates, claim continuance, benefit utilization rates, and claim situs mix. The basis of the assumptions for the CCG is now based on this block of business to the extent available and credible. Once the initial claim costs were developed, adjustments for gender, benefit period and attained age, product generation, and marital status and attained age, were made to the claim costs. After the adjustments were made to the initial claim costs, the final claim costs were back-tested to validate the claim costs provided a good fit to the historical experience.

A cumulative 0.8% increase in morbidity is assumed due to adverse selection from the rate increase.

 Termination Rates. Historical termination rates are based on actual experience of these policy forms.

Future voluntary lapse rates vary by duration as developed from actual experience through December 31, 2016, including runout through June 30, 2017, and are shown in the following table:

Voluntary Lapse Rates

Policy Duration	Lapse Rate
1	6.0%
2	4.0%
3	2.5%
4	1.5%
5	1.3%
6	1.1%
7	1.0%
8+	0.8%

Address: 1209 Orange Street, Wilmington, DE 19801

Actuarial Memorandum for the LTC4 Tax-Qualified Nursing Facility Only Product

February 2019

A benefit exhaustion rate assumption, varying by benefit period, is applied to policies with non-lifetime benefit periods additively in conjunction with the lapse assumption. The benefit exhaustion assumption also includes voluntary lapsation in excess of the ultimate lapse assumption of 0.8% for policies with non-lifetime benefit periods. These additional lapses flow through the benefit exhaustion assumption at attained ages 77 and later.

Policies with benefit periods less than 4 years have been mapped to the 3-year benefit period assumption while all other non-lifetime policies have been mapped to the 5-year benefit period assumption. The benefit exhaustion assumption is not applicable to policies with a lifetime benefit period. Benefit exhaustion rates were developed from actual experience through December 31, 2016, including runout through June 30, 2017, and are shown in the following table:

Assumed Benefit Exhaustion Rates

Attained Age	3-year Assumed Rates	5-year Assumed Rates	Attained Age	3-year Assumed Rates	5-year Assumed Rates
< 67	0.000%	0.000%	84	1.101%	0.667%
67	0.019%	0.006%	85	1.330%	0.806%
68	0.023%	0.008%	86	1.603%	0.971%
69	0.028%	0.010%	87	1.928%	1.168%
70	0.035%	0.013%	88	2.319%	1.405%
71	0.043%	0.016%	89	2.792%	1.684%
72	0.053%	0.021%	90	3.364%	2.013%
73	0.065%	0.026%	91	3.869%	2.394%
74	0.081%	0.033%	92	4.908%	2.835%
75	0.099%	0.042%	93	5.534%	3.336%
76	0.123%	0.053%	94	6.250%	3.909%
77	0.152%	0.069%	95	7.060%	4.552%
78	0.232%	0.131%	96	7.977%	5.287%
79	0.320%	0.198%	97	9.011%	6.107%
80	0.418%	0.272%	98	10.143%	6.999%
81	0.576%	0.353%	99	11.433%	8.001%
82	0.713%	0.444%	100	12.903%	9.134%
83	0.872%	0.547%	101+	12.903%	9.134%

In the year of rate increase implementation, an additional 1.0% of in-force policyholders are assumed to lapse, and a 2.2% reduction in premium and claims is expected due to the election of reduced benefits.

Future mortality is assumed to follow a mortality table based on the experience of the Brighthouse Life Insurance Company policy forms. Where experience was limited at advanced ages, mortality was based on the 2012 Individual Annuitant Mortality (IAM) table. Specifically, the company experience was blended into the 2012 IAM table for ages 89 and older with an assumed terminal age of 115. The assumed mortality rates are shown in the following table:

Address: 1209 Orange Street, Wilmington, DE 19801

Actuarial Memorandum for the LTC4 Tax-Qualified Nursing Facility Only Product

February 2019

Mortality Rates per 1000 Lives

Attained Age	Male Mortality Rate	Female Mortality Rate	Attained Age	Male Mortality Rate	Female Mortality Rate	Attained Age	Male Mortality Rate	Female Mortality Rate
< 51	3.20	1.24	72	12.61	9.75	94	203.70	145.52
51	3.40	1.38	73	16.34	11.51	95	221.28	162.72
52	3.42	1.51	74	18.26	12.17	96	232.40	182.12
53	3.51	1.65	75	20.12	14.77	97	249.35	199.66
54	3.52	1.78	76	23.82	16.17	98	266.09	217.95
55	3.53	1.92	77	27.46	18.98	99	282.39	236.83
56	3.63	2.05	78	30.28	21.62	100	298.45	256.36
57	3.73	2.18	79	36.10	24.93	101	323.61	283.80
58	4.40	2.25	80	40.73	26.75	102	344.19	304.72
59	5.07	2.31	81	47.29	32.90	103	364.63	325.82
60	5.21	2.81	82	53.47	38.29	104	384.78	346.94
61	5.36	2.85	83	59.66	43.48	105	400.00	367.90
62	5.50	3.07	84	71.28	50.74	106	400.00	387.61
63	5.65	3.60	85	80.75	55.97	107	400.00	400.00
64	5.79	4.01	86	91.15	61.48	108	400.00	400.00
65	5.80	4.63	87	103.80	73.75	109	400.00	400.00
66	6.26	5.50	88	116.63	84.97	110	400.00	400.00
67	6.94	5.66	89	128.59	91.58	111	400.00	400.00
68	8.60	6.04	90	140.55	98.20	112	400.00	400.00
69	10.25	6.99	91	155.27	108.32	113	400.00	400.00
70	11.25	7.97	92	170.70	119.19	114	400.00	400.00
71	11.14	8.95	93	186.83	131.33	115+	1,000.00	1,000.00

c. <u>Expenses</u>. Expenses have not been explicitly projected. It is assumed that the originally filed expense assumptions remain appropriate, except that commission will not be paid on any increase in premium.

The above assumptions are based on actual experience of the policies in-force under these policy forms and general experience of the reinsurer and are deemed reasonable for these particular policies. Exhibit I provides justification for the assumptions used in this filing.

Exhibit II provides an analysis of actual and projected nationwide experience with respect to changes in morbidity, mortality, lapse, and interest and how changing each assumption from original pricing to current impacts the projected lifetime loss ratio.

Exhibit III provides a comparison of the current and original pricing assumptions used to project the values in Exhibit II.

6. Marketing Method

These policy forms were marketed by agents as well as through various subsidiaries of Citigroup.

Address: 1209 Orange Street, Wilmington, DE 19801

Actuarial Memorandum for the LTC4 Tax-Qualified Nursing Facility Only Product

February 2019

7. Underwriting Description

These policy forms were fully underwritten with the use of various underwriting tools in addition to the application, which may have included medical records, an attending physician's statement, telephone interview and/or face-to-face assessment.

8. Premiums

Premiums are unisex, level and payable for life. The premiums vary by issue age, elimination period, benefit period, initial daily benefit, and inflation protection option.

Issue Age Range

Elimination periods of 20, 60, and 100 days are available for issue ages 18 to 79. Only the 60 and 100 day elimination periods of the 2-year benefit period are available for issue ages 80 through 84.

10. Area Factors

Area factors are not used for this product.

11. Premium Modalization Rules

The following modal factors and nationwide percent distributions (based on in-force count as of 12/31/2017) are applied to the annual premium (AP):

Premium Mode	Modal Factors	Percent Distribution		
Annual	1.00*AP	55.5%		
Semi-Annual	0.51*AP	8.8%		
Quarterly	0.26*AP	9.2%		
Monthly	0.09*AP	26.5%		

12. Reserves

Active life reserves have not been used in this rate increase analysis. Claim reserves as of December 31, 2017 have been discounted to the incurred date of each respective claim and included in historical incurred claims. Incurred but not reported balances as of December 31, 2017 have been allocated to a calendar year of incurred and included in historic incurred claims.

13. Trend Assumptions

As this is not medical insurance, we have not included any explicit medical cost trends in the projections.

14. Past and Future Policy Experience

Nationwide experience for these policy forms is shown in Exhibit IV. The experience and projections in Exhibit IV have been restated to reflect the rate level approved in Pennsylvania on a nationwide basis as described in Section 16.

The company has chosen a credibility standard of 1,082 claims. Based on this parameter, Pennsylvania-specific experience for the above-referenced forms is not considered fully credible.

Historical experience is shown by claim incurral year with the loss ratio for each loss year calculated, with and without interest, as historical incurred claims divided by earned premium.

Address: 1209 Orange Street, Wilmington, DE 19801

Actuarial Memorandum for the LTC4 Tax-Qualified Nursing Facility Only Product

February 2019

Historical incurred claims are calculated each year as the sum of discounted claim payments and discounted claim and IBNR reserves held as of the valuation date. Claim payments, claim reserves, and IBNR reserves are discounted back to the incurral date using a 4.5% interest rate.

A future annual loss ratio is calculated, with and without interest, as anticipated incurred claims divided by earned premiums.

A lifetime loss ratio as of 12/31/2017 is calculated as the sum of accumulated past and discounted future claims divided by the sum of accumulated past and discounted future earned premium. Historical values are accumulated with interest using an interest rate of 4.5% from inception through 2014 and 4.0% for 2015 through 2017. Future values are discounted using an interest rate of 4.0%.

15. Projected Earned Premiums and Incurred Claims

Exhibit IV contains lifetime projections of earned premium and incurred claims based on the current premiums and the filed premium rate schedule increase. Earned premiums and incurred claims for projection years 2018 through 2057 are developed from an asset share model representing actual contracts in-force as of December 31, 2017. The assumptions described above for morbidity, voluntary lapse and mortality are used to project life years, earned premiums and incurred claims. The projections reflecting the rate increase assume that the increase is effective on each policy's first anniversary on or after January 1, 2019, but no sooner than 12 months after the prior rate increase was effective.

16. History of Previous Rate Revisions

Six prior rate increases have been approved and implemented on these policy forms and associated riders.

- 1. A 20.0% increase was approved on August 10, 2004 and implemented on each contract's next billing anniversary beginning November 20, 2004.
- 2. A 14.92% increase, phased in over a two year period, was approved on July 28, 2010 and implemented on each contract's next billing anniversary beginning December 2, 2010.
- 3. A 15.0% increase was approved on February 28, 2014 and implemented on each contract's next billing anniversary beginning July 12, 2014.
- 4. A 15.0% increase was approved on July 21, 2015 and implemented on each contract's next billing anniversary beginning October 17, 2015.
- 5. A 15.0% increase was approved on December 13, 2016 and implemented on each contract's next billing anniversary beginning March 4, 2017.
- 6. A 10.0% increase was approved on March 6, 2018 and implemented on each contract's next billing anniversary beginning June 2, 2018.

The experience and projections in Exhibit IV have been restated to reflect the rate level approved in Pennsylvania on a nationwide basis. The restated nationwide projections assume the previously approved rate increases in Pennsylvania were implemented on each policy's first anniversary on or after the effective dates of the prior rate increases in Pennsylvania.

Exhibit V provides a nationwide status listing of the current and all prior rate increase filings for each jurisdiction in which these policy forms are in force. Exhibit V is also being provided in Excel as generally requested.

17. Requested Rate Increase and Demonstration of Satisfaction of Loss Ratio Requirements

On November 15, 2017, the company requested a rate increase of 33.7%. A 10.0% increase was approved on March 6, 2018 and implemented on each contract's next billing anniversary beginning

Address: 1209 Orange Street, Wilmington, DE 19801

Actuarial Memorandum for the LTC4 Tax-Qualified Nursing Facility Only Product

February 2019

June 2, 2018. Emerging experience continues to show the need for the full amount requested in the prior filing so the company is requesting a premium rate increase of 21.6% at this time. While a significantly larger rate increase is justified, the company is willing at this time to forgo approximately 95% of the rate increase needed to restore the loss ratio to the original pricing expectation.

This premium rate increase is needed to reduce the lifetime loss ratio, which far exceeds the original pricing level and the minimum requirements set by state insurance law. The company is seeking approximately equal cumulative premium rate increases across all jurisdictions (except where limited by regulatory restrictions). The company prefers to implement rate increases sooner at the requested level and avoid incrementally larger increases in the future.

Although the company expects to continue to shoulder a significant portion of the rate increase needed on this block, it will continue to monitor experience and reserves the right to request additional rate increases, even if experience does not deteriorate further from the current level.

Projected experience assuming this increase is implemented is shown in Exhibit IV. As shown in Exhibit IV, the expected lifetime loss ratio with and without the requested rate increase exceeds the minimum loss ratio of 60.0%.

Current rate tables and rate tables reflecting the 21.6% proposed increase are enclosed with this filing. The actual rates implemented may vary slightly from those in the rate tables due to rounding in the implementation algorithm.

18. Pennsylvania Average Annual Premium (Annual Premium Based on 2017 In-force)

Before increase: \$2,291 After increase: \$2,786

19. Proposed Effective Date

The rate increase will apply to policies on their billing anniversary date following at least a 60-day policyholder notification period following approval, but no sooner than 12 months after the prior rate increase was effective.

Address: 1209 Orange Street, Wilmington, DE 19801

Actuarial Memorandum for the LTC4 Tax-Qualified Nursing Facility Only Product

February 2019

20. Nationwide Distribution of Business as of 12/31/2017 (based on in-force count)

By Issue Age:

Issue Ages	Percent Distribution
< 48	2.8%
48 - 52	5.3%
53 - 57	14.5%
58 - 62	26.5%
63 - 67	26.5%
68 - 72	15.2%
73 +	9.2%

By Elimination Period:

Elimination Period	Percent Distribution
20-day	40.6%
60-day	9.2%
100-day	50.2%

By Benefit Period:

Benefit Period	Percent Distribution
2-Year	6.7%
3-Year	25.8%
5-Year	34.3%
Unlimited	33.2%

By Inflation Protection Option:

Inflation Option	Percent Distribution
None	21.6%
Simple	15.5%
Compound	48.4%
CPI	14.5%

Address: 1209 Orange Street, Wilmington, DE 19801

Actuarial Memorandum for the LTC4 Tax-Qualified Nursing Facility Only Product

February 2019

21. Number of Policyholders

As of 12/31/2017, the number of policies in-force and annualized premium in the state and nationwide are:

	Number of Insured	Annual Premium* based on 2017 In-force		
Pennsylvania	34	\$77,903		
Nationwide	283	\$668,522		

^{*}Annualized premiums reflect all prior rate increases approved prior to April 17, 2018.

Address: 1209 Orange Street, Wilmington, DE 19801

Actuarial Memorandum for the LTC4 Tax-Qualified Nursing Facility Only Product

February 2019

22. Actuarial Certification

I am a Principal and Consulting Actuary for Milliman, Inc. and have been retained by GNA Corporation to prepare this memorandum on behalf of Brighthouse Life Insurance Company. I am a Fellow of the Society of Actuaries and a member of the American Academy of Actuaries. I meet the Academy's qualification standards to render this actuarial opinion and am familiar with the requirements for filing long-term care insurance premium and rate increases. This memorandum has been prepared for the sole purpose stated, and it may not be appropriate for other purposes.

I believe this rate filing is in compliance with the applicable laws of the State of Pennsylvania and with the rules of the Department. This memorandum has been prepared in conformity with all applicable Actuarial Standards of Practice, including ASOP No. 8 and 18.

I hereby certify that, to the best of my knowledge and judgment, this rate submission is in compliance with the applicable laws and regulations of the state where it is filed. In my opinion, the actuarial assumptions are appropriate and the rates are not excessive or unfairly discriminatory. Furthermore, the gross premiums bear reasonable relationship to the benefits, based on the lifetime loss ratio exceeding the minimum loss ratio requirement.

In preparing this actuarial memorandum, I relied on data and assumptions provided to me by Union Fidelity Life Insurance Company, the retrocessionaire on this business, and Genworth, a reinsurer of this business. I did not audit this information but did review it for reasonableness and for consistency with the intended purpose. To the extent that this information is incomplete or inaccurate the contents of this memorandum may be materially affected.

Mike Bergerson, FSA, MAAA

Principal and Consulting Actuary, Milliman, Inc.

Date: February 26, 2019

Exhibit I Brighthouse Life Insurance Company Assumption Justification LTC4 Tax-Qualified Nursing Facility Only Policy Form

Voluntary Lapse

The voluntary lapse assumption for this policy form was developed from experience on all of Brighthouse Life Insurance Company's individual long-term care (LTC) policy forms combined.

Table 1 below provides a comparison of the actual voluntary lapse rates for all individual LTC policy forms combined through December 2016, including runout through June 2017, and the currently assumed voluntary lapse rates for this policy form.

Table 1
Actual and Assumed Voluntary Lapse Rates
Using Experience through December 2016

Duration	Actual Lapse Rates	Currently Assumed Lapse Rates		
1	6.0%	6.0%		
2	4.1%	4.0%		
3	2.4%	2.5%		
4	1.6%	1.5%		
5	1.2%	1.3%		
6	1.0%	1.1%		
7	0.9%	1.0%		
8 +	0.8%	0.8%		

Table 2 below provides the benefit exhaustion rate assumption. This assumption which was embedded in the voluntary lapse assumption prior to 2014 is now split out as a separate assumption. This assumption, varying by benefit period, is applied to policies with non-lifetime benefit periods additively in conjunction with the lapse assumption. The benefit exhaustion assumption also includes voluntary lapsation in excess of the ultimate lapse assumption of 0.8% for policies with non-lifetime benefit periods. These additional lapses flow through the benefit exhaustion assumption at attained ages 77 and later.

Policies with benefit periods less than 4 years have been mapped to the 3-year benefit period assumption while all other non-lifetime policies have been mapped to the 5-year benefit period assumption. The benefit exhaustion assumption is not applicable to policies with a lifetime benefit period. The assumption is based on actual benefit exhaustion experience for all individual LTC policy forms combined through December 2016, including runout through June 2017.

Table 2
Assumed Benefit Exhaustion Rates
Using Experience through December 2016

Attained Age	3-year Assumed Rates	5-year Assumed Rates	Attained Age	3-year Assumed Rates	5-year Assumed Rates
< 67	0.000%	0.000%	84	1.101%	0.667%
67	0.019%	0.006%	85	1.330%	0.806%
68	0.023%	0.008%	86	1.603%	0.971%
69	0.028%	0.010%	87	1.928%	1.168%
70	0.035%	0.013%	88	2.319%	1.405%
71	0.043%	0.016%	89	2.792%	1.684%
72	0.053%	0.021%	90	3.364%	2.013%
73	0.065%	0.026%	91	3.869%	2.394%
74	0.081%	0.033%	92	4.908%	2.835%
75	0.099%	0.042%	93	5.534%	3.336%
76	0.123%	0.053%	94	6.250%	3.909%
77	0.152%	0.069%	95	7.060%	4.552%
78	0.232%	0.131%	96	7.977%	5.287%
79	0.320%	0.198%	97	9.011%	6.107%
80	0.418%	0.272%	98	10.143%	6.999%
81	0.576%	0.353%	99	11.433%	8.001%
82	0.713%	0.444%	100	12.903%	9.134%
83	0.872%	0.547%	101+	12.903%	9.134%

Exhibit I Brighthouse Life Insurance Company Assumption Justification LTC4 Tax-Qualified Nursing Facility Only Policy Form

In the year of rate increase implementation, additional in-force policyholders are assumed to lapse, and a reduction in premium and claims is expected due to the election of reduced benefits. These assumptions are loosely based on data from prior rate increase requests as well as actuarial judgment.

Mortality

The mortality assumption for this policy form was developed from experience on all of the company's individual LTC policy forms combined.

Future mortality is assumed to follow a mortality table based on the experience of the Brighthouse Life Insurance Company policy forms. Where experience was limited at advanced ages, mortality was based on the 2012 Individual Annuitant Mortality (IAM) table. Specifically, the company experience was blended into the 2012 IAM table for ages 89 and older with an assumed terminal age of 115. The assumed mortality rates per 1000 lives are shown in Table 3 below.

Table 3
Mortality Rates per 1000 Lives

Attained			Attained	Mortal	ity Rates	Attained	Mortality Rates	
Age	Male	Female	Age	Male	Female	Age	Male	Female
< 51	3.20	1.24	72	12.61	9.75	94	203.70	145.52
51	3.40	1.38	73	16.34	11.51	95	221.28	162.72
52	3.42	1.51	74	18.26	12.17	96	232.40	182.12
53	3.51	1.65	75	20.12	14.77	97	249.35	199.66
54	3.52	1.78	76	23.82	16.17	98	266.09	217.95
55	3.53	1.92	77	27.46	18.98	99	282.39	236.83
56	3.63	2.05	78	30.28	21.62	100	298.45	256.36
57	3.73	2.18	79	36.10	24.93	101	323.61	283.80
58	4.40	2.25	80	40.73	26.75	102	344.19	304.72
59	5.07	2.31	81	47.29	32.90	103	364.63	325.82
60	5.21	2.81	82	53.47	38.29	104	384.78	346.94
61	5.36	2.85	83	59.66	43.48	105	400.00	367.90
62	5.50	3.07	84	71.28	50.74	106	400.00	387.61
63	5.65	3.60	85	80.75	55.97	107	400.00	400.00
64	5.79	4.01	86	91.15	61.48	108	400.00	400.00
65	5.80	4.63	87	103.80	73.75	109	400.00	400.00
66	6.26	5.50	88	116.63	84.97	110	400.00	400.00
67	6.94	5.66	89	128.59	91.58	111	400.00	400.00
68	8.60	6.04	90	140.55	98.20	112	400.00	400.00
69	10.25	6.99	91	155.27	108.32	113	400.00	400.00
70	11.25	7.97	92	170.70	119.19	114	400.00	400.00
71	11.14	8.95	93	186.83	131.33	115+	1,000.00	1,000.00

Exhibit I Brighthouse Life Insurance Company Assumption Justification LTC4 Tax-Qualified Nursing Facility Only Policy Form

Morbidity

In 2015 Genworth Life Insurance Company (Genworth) long-term care (LTC) actuaries undertook a project to develop a completely new and up-to-date set of claim costs to be used for this block of business. Genworth is the administrator and a reinsurer for these policies. The 2015 claim costs were derived from Genworth's 2014 best estimate morbidity assumptions used for older blocks of Genworth LTC business that correlate to the Brighthouse Life Insurance Company policy forms.

In 2017 the morbidity assumption changed materially as new claim costs were developed. The 2017 claim costs addressed several issues discovered in relation to the development of the 2015 claim costs. The 2017 claim costs also relied more heavily on the experience of this block of business, rather than that of Genworth in the development of the initial claim costs.

The 2017 claim costs were developed in two high-level phases. The first step was the development of initial claim costs using Genworth's Claim Cost Generator (CCG). The second step involved fitting of the initial claim costs to the historical experience for this block of business.

Genworth's CCG reflects four assumptions in the development of the initial claim costs: claim incidence rates, claim continuance, benefit utilization rates, and claim situs mix. The basis of the assumptions for the CCG is now based on this block of business to the extent available and credible. Once the initial claim costs were developed, adjustments for gender, benefit period and attained age, product generation, and marital status and attained age, were made to the claim costs. After the adjustments were made to the initial claim costs, the final claim costs were back-tested to validate the claim costs provided a good fit to the historical experience.

Table 4 below provides a projection of historical experience using the current morbidity assumption compared to actual historical experience for this policy form and other similar policy forms sold during the same issue era. As seen in this table, the assumption validates reasonably well to emerging experience. The incurred claim validation for only durations ten and later for this policy form and other similar policy forms in Table 4 is 99.3% demonstrating that the current morbidity assumption has fit recent experience very well. Actual experience in early durations included the effects of selection, which the current morbidity assumption did not attempt to capture, thus resulting in lower actual to model validation ratios for earlier durations.

Exhibit I Brighthouse Life Insurance Company Assumption Justification LTC4 Tax-Qualified Nursing Facility Only Policy Form

Table 4
Nationwide Historical Actual-to-Model Incurred Claim Projection Results (in 000's)

ITALIOIIV	vide i listorica	ai Actual-to-N	iouei iiicuii	ed Claim Proje	ction Nesuits	(111 000 3)
				Cumulative	Cumulative	Cumulative
	Actual	Model	Actual	Actual	Model	Actual
Policy	Incurred	Incurred	То	Incurred	Incurred	То
Duration	Claims	Claims	Model	Claims	Claims	Model
1	9,648	51,675	18.7%	9,648	51,675	18.7%
2	17,535	55,351	31.7%	27,183	107,026	25.4%
3	26,320	60,818	43.3%	53,503	167,844	31.9%
4	35,267	67,933	51.9%	88,769	235,777	37.6%
5	48,799	76,617	63.7%	137,568	312,394	44.0%
6	60,246	86,689	69.5%	197,814	399,083	49.6%
7	75,361	98,092	76.8%	273,175	497,175	54.9%
8	88,113	111,241	79.2%	361,288	608,417	59.4%
9	106,973	125,945	84.9%	468,261	734,362	63.8%
10	126,688	142,068	89.2%	594,948	876,430	67.9%
11	144,195	160,168	90.0%	739,143	1,036,598	71.3%
12	164,789	179,768	91.7%	903,932	1,216,365	74.3%
13	192,175	200,807	95.7%	1,096,107	1,417,173	77.3%
14	214,148	222,604	96.2%	1,310,254	1,639,776	79.9%
15	249,633	244,406	102.1%	1,559,887	1,884,182	82.8%
16	268,017	266,479	100.6%	1,827,904	2,150,661	85.0%
17	301,847	288,629	104.6%	2,129,751	2,439,290	87.3%
18	300,400	290,679	103.3%	2,430,151	2,729,969	89.0%
19	266,281	259,115	102.8%	2,696,432	2,989,084	90.2%
20	218,954	208,981	104.8%	2,915,386	3,198,065	91.2%
21	146,872	150,846	97.4%	3,062,258	3,348,911	91.4%
22	84,526	80,087	105.5%	3,146,784	3,428,998	91.8%
23	25,440	27,944	91.0%	3,172,224	3,456,942	91.8%
24	1,155	2,946	39.2%	3,173,379	3,459,889	91.7%
Total	3,173,382	3,459,888	91.7%	3,173,379	3,459,889	91.7%
10+	2,705,120	2,725,527	99.3%	2,705,118	2,725,527	99.3%

Exhibit I-a provides an analysis of the loss ratios using three-year groupings of the before increase values with experience restated to the originally filed rate level. The use of three-year groupings and restating of earned premium to the original rate level smooths the historical and projected loss ratios and aids in identifying the trend in claim experience. As seen in Exhibit I-a, the annualized trend in loss ratios is reasonably consistent from the historical to projection periods.

Exhibit I Brighthouse Life Insurance Company Assumption Justification LTC4 Tax-Qualified Nursing Facility Only Policy Form

Interest Rate

The company has provided actual historical earned rates on the assets backing its LTC products in Table 5 below. Actual earned rates are unavailable prior to 2004. The historical earned rates are net of investment expenses and default risk and are provided on both a pre-tax and post-tax basis.

Table 5
Historical Earned Investment Rates
Net of Investment Expenses and Default Risk

1	Dre Tex Detec	
Calendar Year	Pre-Tax Rates	Post-Tax Rates
2004	6.19%	4.17%
2005	6.17%	4.16%
2006	6.38%	4.30%
2007	6.02%	4.06%
2008	5.14%	4.04%
2009	5.12%	4.03%
2010	5.92%	4.04%
2011	5.93%	4.05%
2012	5.77%	3.95%
2013	5.68%	3.89%
2014	5.56%	3.81%
2015	5.26%	3.61%
2016	5.22%	3.57%
2017	5.30%	3.45%

A 4.5% interest rate assumption had been used for this block of business. However, based on the continued low interest rate environment, the company has revised its interest rate assumption to be 4.5% for historical years through 2014 and 4.0% for years 2015 and later (including all projection years). This assumption, like all assumptions, will continue to be monitored and updates will be made as the interest rate environment changes.

Expenses

Expenses have not been reflected in the projections for this filing. It is assumed that the originally filed expense assumptions remain appropriate.

Exhibit I-a

Brighthouse Life Insurance Company

Nationwide Three-Year Average Experience Projections Restated to the Original Rate Level with No Increase LTC4 Tax-Qualified Nursing Facility Only Policy Form

			Analysis						
-	Calendar	Earned	Incurred	Loss	Earned	3-Year Totals Incurred	Loss	3-Year	Annualized
	Year	Premium	Claims	Ratio	Premium	Claims	Ratio	Trend	Trend
	1998	7,969	0	0.0%	625,953	0	0.0%		
Historical	1999	617,984	0	0.0%					
Experience	2000	1,582,613	0	0.0%					
	2001	1,856,075	180,170	9.7%	5,137,700	590,817	11.5%		
	2002	1,699,013	410,647	24.2%					
	2003	1,574,701	98,845	6.3%					
	2004	1,456,314	427,722	29.4%	4,328,726	1,085,747	25.1%	2.18	1.
	2005	1,297,710	559,180	43.1%					
	2006	1,168,894	1,148,262	98.2%					
	2007	1,090,298	149,089	13.7%	3,272,606	1,984,658	60.6%	2.42	1.
	2008	1,013,414	687,307	67.8%					
	2009	930,411	1,263,868	135.8%					
	2010	844,462	787,629	93.3%	2,541,280	3,257,731	128.2%	2.11	1.
	2011	766,408	1,206,234	157.4%					
	2012	699,337	2,145,166	306.7%					
	2013	629,244	901,866	143.3%	1,898,021	3,961,989	208.7%	1.63	1.
	2014	569,441	914,957	160.7%					
	2015	493,866	1,846,101	373.8%					
	2016	416,936	1,842,896	442.0%	1,275,110	5,268,364	413.2%	1.98	1
	2017	364,308	1,579,367	433.5%					
	2018	320,005	1,512,989	472.8%					
	2019	283,135	1,514,929	535.1%	852,330	4,535,362	532.1%	1.29	1
Projected	2020	249,190	1,507,443	604.9%					
Future	2021	218,132	1,486,663	681.5%					
Experience	2022	189,891	1,456,595	767.1%	572,406	4,361,673	762.0%	1.43	1
	2023	164,383	1,418,416	862.9%					
	2024	141,507	1,368,184	966.9%					
	2025	121,110	1,307,827	1079.9%	365,665	3,915,318	1070.7%	1.41	1
	2026	103,048	1,239,307	1202.6%					
	2027	87,162	1,165,956	1337.7%					
	2028	73,277	1,085,859	1481.9%	221,663	3,251,138	1466.7%	1.37	1
	2029	61,223	999,323	1632.3%					
	2030	50,835	912,759	1795.5%	107.101	0.470.004	4040.00/	4.00	
	2031	41,950	826,419	1970.0%	127,191	2,479,321	1949.3%	1.33	1
	2032	34,406	740,144	2151.2%					
	2033	28,039	656,482 574,713	2341.3%	60,000	1 721 100	2509.0%	4.20	4
	2034	22,704		2531.3%	69,008	1,731,400	2509.0%	1.29	1
	2035	18,264	500,205	2738.7% _ 2963.8%					
	2036	14,595	432,558		25 220	1 110 615	2467 40/	1.06	4
	2037	11,586	370,950	3201.7%	35,320	1,118,615	3167.1%	1.26	1
	2038	9,139	315,107	3447.8%					
	2039	7,165	264,519	3691.8%	47.070	000 505	2004 50/	4.00	4
	2040	5,583	219,951	3939.5%	17,072	666,595	3904.5%	1.23	1
	2041	4,324	182,125	4211.8%					
	2042	3,328	150,476	4521.8% 4842.4%	7 905	272 600	4706 60/	4.00	1
	2043	2,545	123,218	1	7,805	373,608	4786.6%	1.23	1
	2044	1,933	99,914	5169.2%					
	2045	1,458	80,934	5549.5%	2 262	107 140	E964 00/	4.00	4
	2046 2047	1,093	64,832 51,383	5934.1% 6325.9%	3,363	197,149	5861.9%	1.22	1
	2047	812 600	51,383 40,509	6757.1%					
	2048	600 439	40,509 31,790	7235.1%	1,359	96,820	7124.9%	1.22	1
	2049	439 320	24,521	7662.5%	1,309	90,020	1124.970	1.22	1
	2050	232	24,521 18,670	8052.3%					
				1	E10	42 420	9245 70/	4 47	
	2052	167 120	14,033 10,427	8400.9%	519	43,130	8315.7%	1.17	1
		2053 120 10,427 8706.9% 2054 85 7,689 8997.3% 2055 61 5,650 9328.2% 189							
			47 457	0050 40/	4.44				
			17,457	9258.1%	1.11	1			
	2056 2057	43 30	4,118 2,941	9682.0% 9949.5%					
-	2001	30	2,941	3343.5%					
	Past	19,079,395	16,149,305	84.6%	·	·			
I	Future	2,273,919	22,790,526	1002.3%					

Exhibit II Brighthouse Life Insurance Company Nationwide Experience Impact on the Lifetime Loss Ratio of Changing from Original Pricing to Current Assumptions

The following table provides the isolated impact of each changed assumption (current versus original pricing) on the projected lifetime loss ratio when actual historical experience and rate history is reflected and only the projection assumptions vary. All of the lifetime loss ratios in the table below reflect actual historical experience, except for the loss ratio calculated using the original pricing assumptions from inception.

This table also shows the rate increase needed to produce a lifetime loss ratio of 86.8%. This lifetime loss ratio represents the maximum of the lifetime loss ratio based on (a) original pricing assumptions from inception and (b) historical experience and projections with original pricing assumptions.

Please note that the lifetime loss ratio for each changed assumption does not reflect any synergy of the assumptions. As a result, the total impact of all current assumptions on the lifetime loss ratio (e.g. 64.6%) is not equal to the sum of each changed assumptions' impact on the lifetime loss ratio (e.g. 41.6% = 19.6% + 3.0% + 4.4% + 14.6%).

LTC4 Tax-Qualified Nursing Facility Only Policy Form

Scenario	Lifetime Loss Ratio	Impact of Each Assumption on the Lifetime Loss Ratio	Increase Needed to Produce a Lifetime Loss Ratio of 86.8%*
Original Pricing Assumptions	62.0%	N/A	N/A
Historical Experience & Projections			
with Original Pricing Assumptions	86.8%	N/A	0.0%
Historical Experience & Projections			
with Original Pricing Assumptions			
except for Current:			
Morbidity	106.4%	19.6%	261.6%
Mortality	89.8%	3.0%	36.7%
Lapse	91.2%	4.4%	50.9%
Interest	101.4%	14.6%	142.3%
Historical Experience & Projections			
with All Current Assumptions	151.4%	64.6%	496.9%

^{*} Calculations ignore the effects of shock lapse, reduced benefit option election, and adverse selection due to the needed rate increase. Calculations do not include the effects of rate increases approved on or after April 17, 2018 and assume that the needed rate increase is fully implemented on January 1, 2019.

Policy Form: LTC4 Tax-Qualified Nursing Facility Only Policy Form

Original Pricing Assumptions

Mortality: 1983 Group Annuity Mortality table

Voluntary Lapse Rates:

Duration Rate
1+ 4.25%

Morbidity: Data published by the National Center for Health Statistics ("NCHS") in 1977 and 1985, the

Wilkins adjustments to the 1985 National Nursing Home Survey conducted by the NCHS, the 1982 and 1984 National Long Term Care Surveys, and the NCHS advance data

publications #92 and #133.

Interest Rate: 6.5%

Policy Form: LTC4 Tax-Qualified Nursing Facility Only Policy Form

Current Assumptions

Mortality:

Future mortality is assumed to follow a mortality table based on the experience of the Brighthouse Life Insurance Company policy forms. Where experience was limited at advanced ages, mortality was based on the 2012 Individual Annuitant Mortality (IAM) table. Specifically, the company experience was blended into the 2012 IAM table for ages 89 and older with an assumed terminal age of 115. The assumed mortality rates per 1000 lives are shown in the following table:

Attained	Mortali	ty Rate	Attained	Mortali	ty Rate	Attained	Mortali	ty Rate
Age	Male	Female	Age	Male	Female	Age	Male	Female
< 51	3.20	1.24	72	12.61	9.75	94	203.70	145.52
51	3.40	1.38	73	16.34	11.51	95	221.28	162.72
52	3.42	1.51	74	18.26	12.17	96	232.40	182.12
53	3.51	1.65	75	20.12	14.77	97	249.35	199.66
54	3.52	1.78	76	23.82	16.17	98	266.09	217.95
55	3.53	1.92	77	27.46	18.98	99	282.39	236.83
56	3.63	2.05	78	30.28	21.62	100	298.45	256.36
57	3.73	2.18	79	36.10	24.93	101	323.61	283.80
58	4.40	2.25	80	40.73	26.75	102	344.19	304.72
59	5.07	2.31	81	47.29	32.90	103	364.63	325.82
60	5.21	2.81	82	53.47	38.29	104	384.78	346.94
61	5.36	2.85	83	59.66	43.48	105	400.00	367.90
62	5.50	3.07	84	71.28	50.74	106	400.00	387.61
63	5.65	3.60	85	80.75	55.97	107	400.00	400.00
64	5.79	4.01	86	91.15	61.48	108	400.00	400.00
65	5.80	4.63	87	103.80	73.75	109	400.00	400.00
66	6.26	5.50	88	116.63	84.97	110	400.00	400.00
67	6.94	5.66	89	128.59	91.58	111	400.00	400.00
68	8.60	6.04	90	140.55	98.20	112	400.00	400.00
69	10.25	6.99	91	155.27	108.32	113	400.00	400.00
70	11.25	7.97	92	170.70	119.19	114	400.00	400.00
71	11.14	8.95	93	186.83	131.33	115+	1000.00	1000.00

Voluntary Lapse Rates:

Duration	Rate
1	6.0%
2	4.0%
3	2.5%
4	1.5%
5	1.3%
6	1.1%
7	1.0%
8+	0.8%

Policy Form: LTC4 Tax-Qualified Nursing Facility Only Policy Form

Current Assumptions

Voluntary Lapse Rates (Continued):

A benefit exhaustion rate assumption, varying by benefit period, is applied to policies with non-lifetime benefit periods additively in conjunction with the lapse assumption. The benefit exhaustion assumption also includes voluntary lapsation in excess of the ultimate lapse assumption of 0.8% for policies with non-lifetime benefit periods. These additional lapses flow through the benefit exhaustion assumption at attained ages 77 and later.

Policies with benefit periods less than 4 years have been mapped to the 3-year benefit period assumption while all other non-lifetime policies have been mapped to the 5-year benefit period assumption. The benefit exhaustion assumption is not applicable to policies with a lifetime benefit period.

	3-year	5-year		3-year	5-year
Attained	Assumed	Assumed	Attained	Assumed	Assumed
Age	Rates	Rates	Age	Rates	Rates
< 67	0.000%	0.000%	84	1.101%	0.667%
67	0.019%	0.006%	85	1.330%	0.806%
68	0.023%	0.008%	86	1.603%	0.971%
69	0.028%	0.010%	87	1.928%	1.168%
70	0.035%	0.013%	88	2.319%	1.405%
71	0.043%	0.016%	89	2.792%	1.684%
72	0.053%	0.021%	90	3.364%	2.013%
73	0.065%	0.026%	91	3.869%	2.394%
74	0.081%	0.033%	92	4.908%	2.835%
75	0.099%	0.042%	93	5.534%	3.336%
76	0.123%	0.053%	94	6.250%	3.909%
77	0.152%	0.069%	95	7.060%	4.552%
78	0.232%	0.131%	96	7.977%	5.287%
79	0.320%	0.198%	97	9.011%	6.107%
80	0.418%	0.272%	98	10.143%	6.999%
81	0.576%	0.353%	99	11.433%	8.001%
82	0.713%	0.444%	100+	12.903%	9.134%
83	0.872%	0.547%			

Policy Form: LTC4 Tax-Qualified Nursing Facility Only Policy Form

Morbidity: In 2015 Genworth Life Insurance Company (Genworth) long-term care (LTC) actuaries

undertook a project to develop a completely new and up-to-date set of claim costs to be used for this block of business. Genworth is the administrator and a reinsurer for these policies. The 2015 claim costs were derived from Genworth's 2014 best estimate morbidity assumptions used for older blocks of Genworth LTC business that correlate to the

Brighthouse Life Insurance Company policy forms.

In 2017 the morbidity assumption changed materially as new claim costs were developed. The 2017 claim costs addressed several issues discovered in relation to the development of the 2015 claim costs. The 2017 claim costs also relied more heavily on the experience of this block of business, rather than that of Genworth in the development of the initial claim costs.

The 2017 claim costs were developed in two high-level phases. The first step was the development of initial claim costs using Genworth's Claim Cost Generator (CCG). The second step involved fitting of the initial claim costs to the historical experience for this block of business.

Genworth's CCG reflects four assumptions in the development of the initial claim costs: claim incidence rates, claim continuance, benefit utilization rates, and claim situs mix. The basis of the assumptions for the CCG is now based on this block of business to the extent available and credible. Once the initial claim costs were developed, adjustments for gender, benefit period and attained age, product generation, and marital status and attained age, were made to the claim costs. After the adjustments were made to the initial claim costs, the final claim costs were back-tested to validate the claim costs provided a good fit to the historical experience.

Interest Rate: 4.5% from inception through 2014 and 4.0% for 2015 and beyond.

Exhibit IV Brighthouse Life Insurance Company Nationwide Experience Projections with No Increase LTC4 Tax-Qualified Nursing Facility Only Policy Form

				Loss R	atio Demonstra	ation			Interest Rat	
			ithout Interest		,		With Interest		Calendar Year	Mid-Year
	Calendar	Earned	Incurred	Loss	Life	Earned	Incurred	Loss	Effective	Disc / Accum
	Year	Premium	Claims	Ratio	Years	Premium	Claims	Ratio	Int Rate	Factor
LPs (s. d. s. l	1998	3,427	0	0.0%	26	7,969	0	0.0%	4.4%	2.325
Historical	1999	277,699	0	0.0%	397	617,984	0	0.0%	4.4%	2.225
Experience	2000	743,171	0	0.0%	668	1,582,613	0	0.0%	4.4%	
	2001	910,805	88,412	9.7%	647	1,856,075	180,170	9.7%	4.4%	2.037
	2002	871,250	210,579	24.2%	627	1,699,013	410,647	24.2%	4.4%	
	2003	843,841	52,969	6.3%	605	1,574,701	98,845	6.3%	4.4%	1.866
	2004	816,366	239,519	29.3%	573	1,457,827	427,722	29.3%	4.4%	1.785
	2005	848,381	327,225	38.6%	533	1,449,758	559,180	38.6%	4.4%	1.708
	2006	857,764	702,186	81.9%	516	1,402,673	1,148,262	81.9%	4.4%	
	2007	836,092	95,274	11.4%	504	1,308,357	149,089	11.4%	4.4%	
	2008	812,105	458,981	56.5%	486	1,216,097	687,307	56.5%	4.3%	
	2009	779,141	881,987	113.2%	468	1,116,493	1,263,868	113.2%	4.3%	
	2010	739,138	574,378	77.7%	448	1,013,558	787,629	77.7%	4.3%	
	2011	729,865	919,231	125.9%	426	957,744	1,206,234	125.9%	4.3%	1.312
	2012	745,726	1,708,323	229.1%	408	936,418	2,145,166	229.1%	4.2%	1.255
	2013	722,130	750,529	103.9%	388	867,740	901,866	103.9%	4.2%	1.201
	2014	695,243	795,688	114.4%	364	799,456	914,957	114.4%	4.1%	1.149
	2015	698,412	1,673,679	239.6%	334	770,363	1,846,101	239.6%	4.0%	1.103
	2016	684,983	1,737,604	253.7%	307	726,490	1,842,896	253.7%	4.0%	1.060
	2017	686,530	1,548,697	225.6%	283	700,126	1,579,367	225.6%	4.0%	1.019
	2018	695,229	1,581,147	227.4%	265	681,728	1,550,443	227.4%	4.0%	0.980
	2019	686,798	1,648,669	240.1%	248	647,559	1,554,474	240.1%	4.0%	0.942
	2020	634,119	1,703,578	268.7%	230	574,894	1,544,467	268.7%	4.0%	0.906
Projected	2021	577,290	1,744,230	302.1%	213	503,243	1,520,502	302.1%	4.0%	0.871
Future	2022	522,649	1,774,408	339.5%	196	438,087	1,487,317	339.5%	4.0%	0.838
Experience	2023	470,541	1,794,305	381.3%	179	379,240	1,446,148	381.3%	4.0%	0.806
	2024	421,260	1,797,462	426.7%	163	326,463	1,392,974	426.7%	4.0%	
	2025	374,961	1,784,529	475.9%	148	279,406	1,329,761	475.9%	4.0%	0.745
	2026	331,804	1,756,547	529.4%	133	237,738	1,258,567	529.4%	4.0%	0.716
	2027	291,878	1,716,775	588.2%	119	201,087	1,182,760	588.2%	4.0%	0.688
	2028	255,197	1,661,112	650.9%	106	169,054	1,100,396	650.9%	4.0%	0.662
	2029	221,747	1,588,408	716.3%	94	141,246	1,011,763	716.3%	4.0%	0.637
	2030	191,486	1,507,561	787.3%	83	117,279	923,332	787.3%	4.0%	0.612
	2031	164,339	1,418,464	863.1%	72	96,781	835,350	863.1%	4.0%	0.588
	2032	140,176	1,320,257	941.9%	63	79,376	747,610	941.9%	4.0%	
	2033	118,808	1,217,064	1024.4%	54	64,689	662,669	1024.4%	4.0%	
	2034	100,048	1,107,444	1106.9%	46	52,379	579,791	1106.9%	4.0%	
	2035	83,702	1,001,888	1197.0%	40	42,136	504,354	1197.0%	4.0%	
	2036	69,561	900,592	1294.7%		33,670	435,925	1294.7%	4.0%	
					34					
	2037	57,430 47,115	802,844	1397.9%	28	26,729 21,085	373,664	1397.9%	4.0%	
	2038	47,115 28,414	708,964	1504.7%	24	21,085	317,279	1504.7%	4.0%	
	2039	38,414	618,700	1610.6%	20	16,530	266,234	1610.6%	4.0%	
	2040	31,131	534,834	1718.0%	16	12,881	221,294	1718.0%	4.0%	
	2041	25,075	460,410	1836.1%	13	9,976	183,173	1836.1%	4.0%	
	2042	20,069	395,487	1970.6%	11	7,677	151,292	1970.6%	4.0%	
	2043	15,960	336,701	2109.7%	9	5,870	123,849	2109.7%	4.0%	
	2044	12,608	283,860	2251.4%	7	4,459	100,397	2251.4%	4.0%	
	2045	9,894	239,069	2416.4%	6	3,365	81,303	2416.4%	4.0%	
	2046	7,708	199,110	2583.2%	5	2,521	65,109	2583.2%	4.0%	
	2047	5,960	164,077	2753.0%	4	1,874	51,590	2753.0%	4.0%	
	2048	4,575	134,496	2940.0%	3	1,383	40,662	2940.0%	4.0%	
	2049	3,487	109,742	3147.2%	2 2	1,014	31,902	3147.2%	4.0%	
	2050	2,641	88,015	3332.4%	2	738	24,602	3332.4%	4.0%	
	2051	1,990	69,684	3501.3%	2	535	18,729	3501.3%	4.0%	
	2052	1,491	54,464	3652.4%	1	385	14,075	3652.4%	4.0%	
	2053	1,112	42,080	3784.9%	1	276	10,457	3784.9%	4.0%	0.248
	2054	825	32,268	3910.7%	1	197	7,710	3910.7%	4.0%	0.238
	2055	608	24,658	4054.1%	1	140	5,665	4054.1%	4.0%	0.229
	2056	444	18,690	4207.5%	0	98	4,129	4207.5%	4.0%	0.220
	2057	321	13,881	4323.6%	0	68	2,948	4323.6%	4.0%	
			·				·			
	Past	14,302,069	12,765,262	89.3%	9,008	22,061,454	16,149,305	73.2%		
	Future	6,640,454	34,356,475	517.4%	2,642	5,183,858	23,164,667	446.9% 144.3%		
	Lifetime	20,942,523	47,121,737	225.0%	11,650	27,245,312	39,313,973			

- 22 -

Exhibit IV Brighthouse Life Insurance Company Nationwide Experience Projections with 21.6% Increase LTC4 Tax-Qualified Nursing Facility Only Policy Form

				Loss R	atio Demonstra	ation			Interest Rat	
	Oalaalaa		ithout Interest		1.76	E	With Interest	1	Calendar Year	Mid-Year
	Calendar	Earned	Incurred	Loss	Life	Earned	Incurred	Loss	Effective	Disc / Accum
	Year 1998	Premium 3,427	Claims 0	Ratio 0.0%	Years 26	Premium 7,969	Claims 0	Ratio 0.0%	Int Rate 4.4%	Factor 2.325
Historical	1998	277,699	0	0.0%	397	617,984	0	0.0%	4.4%	2.325
Experience	2000	743,171	0	0.0%	668	1,582,613	0	0.0%	4.4%	2.129
Expenence	2000	910,805	88,412	9.7%	647	1,856,075	180,170	9.7%	4.4%	2.129
	2001	871,250	210,579	24.2%	627	1,699,013	410,647	24.2%	4.4%	1.950
	2002	843,841		6.3%	605	1,574,701	98,845	6.3%	4.4%	1.866
	2003	816,366	52,969	29.3%	573	1,457,827	427,722	29.3%	4.4% 4.4%	1.785
			239,519				·			1.703
	2005 2006	848,381 857,764	327,225	38.6%	533 516	1,449,758	559,180	38.6%	4.4%	1.706
	2007	836,092	702,186 95,274	81.9% 11.4%	504	1,402,673 1,308,357	1,148,262 149,089	81.9% 11.4%	4.4% 4.4%	1.564
	2007	812,105	458,981	56.5%	486	1,216,097	687,307	56.5%	4.4%	1.497
	2008	779,141	881,987	113.2%	468	1,116,493	1,263,868	113.2%	4.3%	1.437
	2010	739,138	574,378	77.7%	448	1,013,558	787,629	77.7%	4.3%	1.433
	2010	739,136 729,865	919,231	125.9%	426	957,744	1,206,234	125.9%	4.3%	1.311
	2011	The state of the s				The state of the s				
	2012	745,726	1,708,323	229.1%	408	936,418	2,145,166	229.1%	4.2%	1.255
		722,130	750,529	103.9%	388	867,740	901,866	103.9%	4.2%	1.201
	2014	695,243	795,688	114.4%	364	799,456	914,957	114.4%	4.1%	1.149
	2015	698,412	1,673,679	239.6%	334	770,363	1,846,101	239.6%	4.0%	1.103
	2016	684,983	1,737,604	253.7%	307	726,490 700,436	1,842,896	253.7%	4.0%	1.060
	2017	686,530	1,548,697	225.6%	283	700,126	1,579,367	225.6%	4.0%	1.019
	2018	695,229	1,581,147	227.4%	265	681,728	1,550,443	227.4%	4.0%	0.980
	2019	708,504	1,644,048	232.0%	246	668,025	1,550,117	232.0%	4.0%	0.942
D	2020	736,245	1,680,433	228.2%	228	667,482	1,523,484	228.2%	4.0%	0.906
Projected	2021	679,954	1,717,392	252.6%	211	592,738	1,497,107	252.6%	4.0%	0.871
Future	2022	615,596	1,746,049	283.6%	194	515,995	1,463,546	283.6%	4.0%	0.838
Experience	2023	554,221	1,764,640	318.4%	177	446,683	1,422,240	318.4%	4.0%	0.806
	2024	496,176	1,766,822	356.1%	162	384,520	1,369,229	356.1%	4.0%	0.775
	2025	441,643	1,753,244	397.0%	146	329,095	1,306,449	397.0%	4.0%	0.745
	2026	390,811	1,724,974	441.4%	132	280,017	1,235,945	441.4%	4.0%	0.716
	2027	343,784	1,685,217	490.2%	118	236,848	1,161,018	490.2%	4.0%	0.688
	2028	300,581	1,629,960	542.3%	105	199,118	1,079,759	542.3%	4.0%	0.662
	2029	261,182	1,558,079	596.5%	93	166,364	992,444	596.5%	4.0%	0.637
	2030	225,539	1,478,302	655.5%	82	138,136	905,412	655.5%	4.0%	0.612
	2031	193,565	1,390,533	718.4%	72	113,992	818,901	718.4%	4.0%	0.588
	2032	165,105	1,293,914	783.7%	62	93,492	732,693	783.7%	4.0%	0.566
	2033	139,936	1,192,485	852.2%	54	76,193	649,286	852.2%	4.0%	0.544
	2034	117,840	1,084,840	920.6%	46	61,694	567,957	920.6%	4.0%	0.523
	2035	98,588	981,240	995.3%	39	49,629	493,960	995.3%	4.0%	0.503
	2036	81,932	881,863	1076.3%	33	39,658	426,859	1076.3%	4.0%	0.484
	2037	67,644	786,011	1162.0%	28	31,483	365,829	1162.0%	4.0%	0.465
	2038	55,494	693,989	1250.6%	23	24,835	310,577	1250.6%	4.0%	0.447
	2039	45,246	605,538	1338.3%	19	19,470	260,570	1338.3%	4.0%	0.430
	2040	36,668	523,382	1427.4%	16	15,172	216,555	1427.4%	4.0%	0.413
	2041	29,534	450,492	1525.3%	13	11,750	179,227	1525.3%	4.0%	0.397
	2042	23,638	386,919	1636.8%	11	9,043	148,014	1636.8%	4.0%	0.382
	2043	18,798	329,369	1752.2%	9	6,914	121,153	1752.2%	4.0%	0.367
	2044	14,850	277,649	1869.7%	7	5,252	98,200	1869.7%	4.0%	0.353
	2045	11,653	233,814	2006.5%	6	3,963	79,516	2006.5%	4.0%	0.340
	2046	9,079	194,712	2144.7%	5	2,969	63,671	2144.7%	4.0%	0.327
	2047	7,020	160,438	2285.5%	4	2,207	50,446	2285.5%	4.0%	0.314
	2048	5,388	131,501	2440.5%	3	1,629	39,757	2440.5%	4.0%	0.302
	2049	4,107	107,288	2612.2%	2	1,194	31,189	2612.2%	4.0%	0.290
	2050	3,111	86,040	2765.7%	2	870	24,050	2765.7%	4.0%	0.279
	2051	2,344	68,116	2905.8%	2	630	18,308	2905.8%	4.0%	0.268
	2052	1,756	53,235	3031.0%	1	454	13,758	3031.0%	4.0%	0.258
	2053	1,310	41,129	3140.8%	1	325	10,220	3140.8%	4.0%	0.248
	2054	972	31,537	3245.1%	1	232	7,535	3245.1%	4.0%	0.238
	2055	716	24,099	3364.0%	1	165	5,537	3364.0%	4.0%	0.229
	2056	523	18,265	3491.1%	o	116	4,035	3491.1%	4.0%	0.220
	2057	378	13,565	3587.4%	ől	80	2,881	3587.4%	4.0%	0.212
							, = = -			
	Past	14,302,069	12,765,262	89.3%	9,008	22,061,454	16,149,305	73.2%		
	Future	7,586,660	33,772,272	445.2%	2,620	5,880,160	22,797,877	387.7%		
	Lifetime	21,888,729	46,537,534	212.6%	11,628	27,941,614	38,947,183	139.4%		

Exhibit V Brighthouse Life Insurance Company Status of Filings as of February 19, 2019 All Jurisdictions in which these Forms are Active LTC4 Tax-Qualified Nursing Facility Only Policy Form

		First Round			Second Round	<u> </u>		Third Round		Thire	d Round Follow	/-Up ^[1]	Second	Third Round Fo	llow-Up ^[2]		Fourth	Round					Fourth Rour	nd Follow-Up ^[3]		
		Date	Amount		Date	Amount		Date	Amount		Date	Amount		Date	Amount			Date	Amount	Cumulative			Date	Amount		
	Requested	Approved or	Approved or	Requested	Approved or	Approved or	Requested	Approved or	Approved or	Requested	Approved or	Approved or	Requested	Approved or	Approved or	Requested	Date of	Approved or	Approved or	Approved	Requested	Date of	Approved or	Approved or	2017 Annualized	Proportion of
sdiction	Increase	Filed	Filed	Increase	Filed	Filed	Increase	Filed	Filed	Increase	Filed	Filed	Increase	Filed	Filed	Increase	Submission	Filed	Filed	Increase	Increase	Submission	Filed	Filed	Premium ^[4]	Nationwide
ona	20.0%	Disapproved	0.0%	39.0%	7/12/2010	15.0%	91.0%	1/13/2014	91.0%	Not Filing			Not Filing			21.0%	12/7/2016	Disapproved	0.0%	119.7%	21.0%	11/26/2018			23,562	3.52
ornia	20.0%	6/2/2004	20.0%	30.0%	10/28/2013	15.0%	68.0%			Not Filing			Not Filing			TBD				38.0%	TBD				42,925	6.42
rado	20.0%	6/14/2004	20.0%	30.0%	11/22/2010	10.0%	74.0%	1/12/2015	35.0%	28.9%	Disapproved	0.0%	Not Filing			56.0%				78.2%	TBD				111,240	16.6
necticut	20.0%	Disapproved	0.0%	39.0%	Disapproved	0.0%	100.0%	Disapproved	0.0%	100.0%	Disapproved	0.0%	100.0%	9/21/2016	18.0%	111.2%	10/11/2017	1/24/2018	45.4%	71.6%	45.2%				25,818	3.80
ict of Columbia	20.0%	11/2/2005	10.0%	30.0%	Disapproved	0.0%	10.0%	4/18/2014	10.0%	10.0%	5/13/2015	10.0%	10.0%	8/31/2016	10.0%	10.0%	9/5/2017	10/3/2017	10.0%	61.1%	10.0%	12/13/2018			2,464	0.37
da	20.0%	Disapproved	0.0%	39.0%	11/8/2012	12.7%	50.1%	5/22/2015	4.5%	3.5%	7/8/2016	4.6%	Not Filing			132.6%	8/15/2017	8/2/2018	75.4%	116.1%	Not Filing				39,920	5.97
gia	20.0%	2/4/2005	14.0%	30.0%	5/13/2010	15.0%	74.9%	7/16/2014	15.0%	52.1%	8/3/2015	13.0%	34.6%	9/22/2016	15.0%	41.6%	8/28/2017	11/3/2017	15.0%	125.3%	23.1%	10/5/2018	11/7/2018	18.0%	15,739	2.35
aii	20.0%	11/19/2004	20.0%	30.0%	10/10/2011	30.0%	50.0%	7/7/2017	39.8%	Not Filing			Not Filing			29.8%				118.1%	TBD				3,394	0.5
	20.0%	6/23/2004	16.0%	30.0%	7/12/2010	21.1%	65.5%	4/7/2014	17.0%	41.5%	8/18/2015	17.5%	45.7%	10/19/2016	17.5%	24.0%	9/18/2017	11/22/2017	17.5%	166.6%	5.5%	10/3/2018	1/9/2019	5.5%	30,898	4.62
is	20.0%	7/28/2004	20.0%	30.0%	8/2/2010	30.0%	50.0%	1/8/2015	50.0%	Not Filing			Not Filing			21.0%	11/10/2016	6/30/2017	21.0%	183.1%	Not Filing				21,289	3.18
na	20.0%	Disapproved	0.0%	39.0%	6/8/2012	9.0%	97.0%	3/2/2015	13.9%	73.0%	5/9/2016	14.0%	Not Filing			83.6%	3/3/2017	Disapproved	0.0%	41.5%	83.6%	6/20/2018			10,528	1.57
sas	20.0%	6/17/2004	20.0%	30.0%	8/5/2010	10.0%	74.0%	5/21/2014	74.0%	Not Filing			Not Filing			TBD				129.7%	TBD				10,329	1.5
ucky	20.0%	8/9/2004	20.0%	30.0%	5/10/2010	16.0%	66.8%	3/4/2014	20.0%	28.3%	11/10/2015	13.5%	Not Filing			48.2%	1/12/2017	4/14/2017	18.0%	123.7%	25.6%	5/9/2018	8/3/2018	25.6%	861	0.13
siana	20.0%	Withdrawn	0.0%	39.0%	Disapproved	0.0%	100.0%	Disapproved	0.0%	53.4%	Disapproved	0.0%	Not Filing			95.7%	2/16/2017	7/6/2017	25.0%	25.0%	56.6%	2/8/2019			-	0.00
land	20.0%	8/19/2004	15.0%	15.0%	8/13/2010	15.0%	15.0%	2/4/2014	15.0%	15.0%	6/16/2015	15.0%	15.0%	11/9/2016	15.0%	15.0%	9/18/2017	Disapproved	0.0%	101.1%	15.0%				15,692	2.3
gan	20.0%	9/1/2004	20.0%	30.0%	3/17/2010	30.0%	50.0%	12/3/2013	50.0%	Not Filing			Not Filing			21.0%	11/11/2016	11/28/2016	21.0%	183.1%	Not Filing				5,399	0.8
esota	20.0%	7/26/2004	20.0%	30.0%	3/3/2015	26.5%	Not Filing			Not Filing			Not Filing			86.6%	7/25/2018	11/1/2018	74.9%	165.5%	6.7%				22,612	3.38
ouri	20.0%	7/15/2004	20.0%	30.0%	7/1/2010	30.0%	Not Filing			50.0%	3/27/2015	25.0%	20.0%	6/29/2016	20.0%	21.0%	12/12/2016	1/18/2017	21.0%	183.1%	Not Filing				41,353	6.19
n Carolina	20.0%	6/16/2004	20.0%	30.0%	7/19/2010	20.0%	62.0%	3/14/2014	62.0%	Not Filing			Not Filing			21.0%	12/6/2016	5/9/2017	21.0%	182.3%	Not Filing				37,300	5.58
Dakota	20.0%	6/23/2004	20.0%	30.0%	7/21/2010	17.0%	65.6%	1/21/2014	15.0%	44.0%	3/20/2015	15.0%	25.2%	7/20/2016	15.0%	31.8%	8/29/2017	Disapproved	0.0%	113.5%	Not Filing				1,845	0.28
aska	20.0%	7/21/2004	20.0%	30.0%	12/14/2010	14.0%	69.2%	9/29/2014	25.0%	35.4%	11/13/2015	35.4%	Not Filing			21.0%				131.5%	TBD				17,373	2.60
Hampshire	20.0%	Disapproved	0.0%	39.0%	8/26/2010	17.9%	88.1%	Disapproved	0.0%	Not Filing			Not Filing			10.0%	2/21/2018	6/18/2018	11.2%	31.1%	104.7%				1,700	0.25
York	20.0%	8/2/2005	8.0%	30.0%	Disapproved	0.0%	98.0%	7/21/2015	10.0%	80.0%	11/29/2016	15.0%	Not Filing			89.4%	3/6/2017	1/30/2019	15.0%	57.1%	64.7%				14,324	2.14
	20.0%	6/10/2004	20.0%	33.7%	6/1/2010	33.7%	50.0%	3/31/2015	15.0%	30.4%	3/11/2016	15.0%	Not Filing			15.0%	12/9/2016	3/20/2017	15.0%	144.0%	15.0%	5/7/2018	7/3/2018	15.0%	14,232	2.13
homa	20.0%	8/24/2004	15.0%	30.0%	11/15/2010	10.0%	79.5%	3/17/2014	25.0%	43.6%	2/1/2016	10.0%	Not Filing			58.0%	12/27/2016	2/9/2017	10.0%	91.3%	43.6%	3/29/2018	4/30/2018	10.0%	2,242	0.34
sylvania	20.0%	8/10/2004	20.0%	30.0%	7/28/2010	14.9%	68.1%	2/28/2014	15.0%	46.2%	7/21/2015	15.0%	53.8%	12/13/2016	15.0%	33.7%	11/15/2017	3/6/2018	10.0%	130.7%	21.6%				77,903	11.65
n Carolina	20.0%	7/12/2004	20.0%	30.0%	11/12/2010	20.0%	62.0%	2/4/2014	20.0%	35.0%	5/4/2015	20.0%	Not Filing			36.1%	11/10/2016	2/3/2017	20.0%	148.8%	13.4%	3/28/2018	6/19/2018	13.4%	11,488	1.72
n Dakota	20.0%	Disapproved	0.0%	39.0%	4/9/2010	39.0%	67.0%	3/5/2014	67.0%	Not Filing			Not Filing			21.0%	1/24/2017	2/8/2017	21.0%	180.9%	Not Filing				20,499	3.0
	20.0%	9/15/2004	15.0%	30.0%	7/16/2010	10.0%	79.5%	4/28/2014	21.0%	79.5%	12/14/2016	38.0%	Not Filing			30.1%				111.2%	TBD				10,323	1.5
ı	20.0%	5/6/2005	20.0%	30.0%	5/4/2011	30.0%	25.7%	1/20/2016	11.7%	Not Filing			Not Filing			62.5%				74.3%	TBD				20,034	3.0
ington	20.0%	7/7/2004	20.0%	30.0%	8/17/2010	30.0%	50.0%	8/14/2014	50.0%	Not Filing			Not Filing			21.0%	12/30/2016	3/3/2017	21.0%	183.1%	Not Filing				15,233	2.28

^[1] The company is generally filing in jurisdictions where the requested third round rate increase was not achieved.

In some instances filings are not being pursued due to regulatory restrictions or because the third round rate increase was phased-in over multiple years.

^[2] The company is generally filing in jurisdictions where the requested third round and third round follow-up rate increases were not achieved.

In some instances filings are not being pursued due to regulatory restrictions or because the third round rate increase was phased-in over multiple years.

^[3] The company is generally filing in jurisdictions where the requested fourth round rate increase was not achieved.

In some instances filings are not being pursued due to regulatory restrictions or because the fourth round rate increase was phased-in over multiple years.

^[4] Annualized premiums reflect all prior rate increases approved prior to April 17, 2018.

BRIGHTHOUSE LIFE INSURANCE COMPANY

Address: 1209 Orange Street, Wilmington, DE 19801

Supplement to the Actuarial Memorandum for the LTC4 Tax-Qualified Nursing Facility Only Product

February 2019

Product
Nursing Facility Insurance
Annual 5% Compound Benefit Inflation Rider
Annual 5% Simple Benefit Inflation Rider
Nonforfeiture Benefit Rider

Form Number H-LTC4JFQ15, et al. H-5AICFO H-5AISFO H-NF3-10

1. Purpose of Filing

This supplement has been prepared for the purpose of demonstrating the compliance of the requested rate increase with Reg. 89.83 of the Insurance Regulations for the state of Pennsylvania. It may not be appropriate for other purposes.

2. Demonstration of Compliance with Reg. 89.83

- 89.83 (a): This subsection requires no action.
- 89.83 (b): This subsection is not applicable since this filing is not for rates for new policy forms.
- 89.83 (c): Revision of Current Rates
- (1): This rate increase filing complies with the minimum loss ratio requirement of 60%, as specified in Reg. 89a.117.
- (2): Section 2 of the attached actuarial memorandum provides a description of benefits. Copies of the policy forms may be available upon request.
- (2)(i): The increase is needed due to morbidity and persistency levels which produce lifetime loss ratios in excess of original pricing and the minimum requirement. A rate increase is considered an effective way to reduce projected losses.

On November 15, 2017, the company requested a rate increase of 33.7%. A 10.0% increase was approved on March 6, 2018 and implemented on each contract's next billing anniversary beginning June 2, 2018. Emerging experience continues to show the need for the full amount requested in the prior filing so the company is requesting a premium rate increase of 21.6% at this time. This level is comprised of the remainder of the 2017 request.

Existing rates and revised rates reflecting the 21.6% proposed increase are enclosed with this filing. Please note that the actual rates implemented may vary from those shown slightly due to implementation rounding algorithms.

Attachment 1 to this supplement displays nationwide experience showing earned premium and incurred claims, both with and without the requested rate increase. Attachment 2 to this supplement displays nationwide experience showing written premium and paid claims, both with and without the requested rate increase. The experience and projections in Attachments 1 and 2 have been restated to reflect the rate level approved in Pennsylvania on a nationwide basis.

Attachments 3 and 4 display Pennsylvania-specific experience similar to Attachments 1 and 2, respectively. Please note that Pennsylvania-specific experience is not considered fully credible, but is being provided as required.

The company is aware that the transition of paid claims from the historical to projection period may not be smooth. This is due to an aggregate set of claim runoff factors being used for all loss age cohorts. Loss age specific claim runoff factors were not developed or adjustments manually applied to smooth the transition as we believe that the Department focuses on incurred claims projections when reviewing rate increase filings.

BRIGHTHOUSE LIFE INSURANCE COMPANY

Address: 1209 Orange Street, Wilmington, DE 19801

Supplement to the Actuarial Memorandum for the LTC4 Tax-Qualified Nursing Facility Only Product

February 2019

(2)(ii)(A): There have been six prior increases approved and implemented on these policy forms and associated riders.

- 1. A 20.0% increase was approved on August 10, 2004 and implemented on each contract's next billing anniversary beginning November 20, 2004.
- 2. A 14.92% increase, phased in over a two year period, was approved on July 28, 2010 and implemented on each contract's next billing anniversary beginning December 2, 2010.
- 3. A 15.0% increase was approved on February 28, 2014 and implemented on each contract's next billing anniversary beginning July 12, 2014.
- 4. A 15.0% increase was approved on July 21, 2015 and implemented on each contract's next billing anniversary beginning October 17, 2015.
- 5. A 15.0% increase was approved on December 13, 2016 and implemented on each contract's next billing anniversary beginning March 4, 2017.
- 6. A 10.0% increase was approved on March 6, 2018 and implemented on each contract's next billing anniversary beginning June 2, 2018.

(2)(ii)(B): The following Table 1 shows commission scales by duration:

Table 1: Commission Scales by Duration

	Commission
Duration	Percentage
1	63% - 92%
2-7	5% - 15%
8+	0% - 15%

(2)(ii)(C)(I): Premiums earned and written since inception for nationwide experience can be found in Attachments 1 and 2 to this supplement, respectively. Premiums earned and written since inception for Pennsylvania-specific experience can be found in Attachments 3 and 4 to this supplement, respectively. Details of reserve balances and calculation basis for both nationwide and Pennsylvania-specific experience can be found in Attachment 5 to this supplement. Please note that Pennsylvania-specific experience is not considered fully credible, but is being provided as required.

(2)(ii)(C)(II): Claims incurred and paid since inception for nationwide experience can be found in Attachments 1 and 2 to this supplement, respectively. Claims incurred and paid since inception for Pennsylvania-specific experience can be found in Attachments 3 and 4 to this supplement, respectively. Please note that Pennsylvania-specific experience is not considered fully credible, but is being provided as required.

Attachments 6 and 7 to this supplement provide a durational loss ratio analysis for nationwide and Pennsylvania-specific experience, respectively. Please note that Pennsylvania-specific experience is not considered fully credible, but is being provided as required.

(2)(ii)(D): We believe that we have provided information sufficient to support the rate increase requested in this filling.

(2)(iii): We believe that data used in this rate increase filing is in agreement with that used in the annual statement filed with the Department.

89.83 (d): We believe this rate increase filing complies with this subsection.

Attachment 1 Brighthouse Life Insurance Company Nationwide Earned Premium and Incurred Claim Experience Projections with No Increase LTC4 Tax-Qualified Nursing Facility Only Policy Form

				Loss R	atio Demonstra	tion			Interest Ra	
			/ithout Interest				With Interest		Calendar Year	Mid-Year
	Calendar Year	Earned Premium	Incurred Claims	Loss Ratio	Life Years	Earned Premium	Incurred Claims	Loss Ratio	Effective Int Rate	Disc / Accum Factor
	1998	3,427	Ciairis 0	0.0%	26	7,969	Ciairis 0	0.0%	4.4%	2.3255
Historical	1999	277,699	0	0.0%	397	617,984	0	0.0%	4.4%	2.2254
Experience	2000	743,171	0	0.0%	668	1,582,613	0	0.0%	4.4%	2.1295
	2001	910,805	88,412	9.7%	647	1,856,075	180,170	9.7%	4.4%	2.0378
	2002	871,250	210,579	24.2%	627	1,699,013	410,647	24.2%	4.4%	1.9501
	2003	843,841	52,969	6.3%	605	1,574,701	98,845	6.3%	4.4%	1.8661
	2004	816,366	239,519	29.3%	573	1,457,827	427,722	29.3%	4.4%	1.7858
	2005	848,381	327,225	38.6%	533	1,449,758	559,180	38.6%	4.4%	1.7089
	2006	857,764	702,186	81.9%	516	1,402,673	1,148,262	81.9%	4.4%	1.6353
	2007	836,092	95,274	11.4%	504	1,308,357	149,089	11.4%	4.4%	1.5648
	2008	812,105	458,981	56.5%	486	1,216,097	687,307	56.5%	4.3%	1.4975
	2009 2010	779,141 739,138	881,987 574,378	113.2% 77.7%	468 448	1,116,493 1,013,558	1,263,868 787,629	113.2% 77.7%	4.3% 4.3%	1.4330 1.3713
	2010	739,136 729,865	919,231	125.9%	426	957,744	1,206,234	125.9%	4.3%	1.3122
	2017	745,726	1,708,323	229.1%	408	936,418	2,145,166	229.1%	4.2%	1.2557
	2013	722,130	750,529	103.9%	388	867,740	901,866	103.9%	4.2%	1.2016
	2014	695,243	795,688	114.4%	364	799,456	914,957	114.4%	4.1%	1.1499
	2015	698,412	1,673,679	239.6%	334	770,363	1,846,101	239.6%	4.0%	1.1030
	2016	684,983	1,737,604	253.7%	307	726,490	1,842,896	253.7%	4.0%	1.0606
	2017	686,530	1,548,697	225.6%	283	700,126	1,579,367	225.6%	4.0%	1.0198
	2018	695,229	1,581,147	227.4%	265	681,728	1,550,443	227.4%	4.0%	0.9806
	2019	686,798	1,648,669	240.1%	248	647,559	1,554,474	240.1%	4.0%	0.9429
	2020	634,119	1,703,578	268.7%	230	574,894	1,544,467	268.7%	4.0%	0.9066
Projected	2021	577,290	1,744,230	302.1%	213	503,243	1,520,502	302.1%	4.0%	0.8717
Future	2022	522,649	1,774,408	339.5%	196	438,087	1,487,317	339.5%	4.0%	0.8382
Experience	2023 2024	470,541	1,794,305	381.3% 426.7%	179	379,240	1,446,148	381.3% 426.7%	4.0%	0.8060 0.7750
	2024	421,260 374,961	1,797,462 1,784,529	475.9%	163 148	326,463 279,406	1,392,974 1,329,761	475.9%	4.0% 4.0%	0.7452
	2025	331,804	1,756,547	529.4%	133	237,738	1,258,567	529.4%	4.0%	0.7165
	2027	291,878	1,716,775	588.2%	119	201,087	1,182,760	588.2%	4.0%	0.6889
	2028	255,197	1,661,112	650.9%	106	169,054	1,100,396	650.9%	4.0%	0.6624
	2029	221,747	1,588,408	716.3%	94	141,246	1,011,763	716.3%	4.0%	0.6370
	2030	191,486	1,507,561	787.3%	83	117,279	923,332	787.3%	4.0%	0.6125
	2031	164,339	1,418,464	863.1%	72	96,781	835,350	863.1%		0.5889
	2032	140,176	1,320,257	941.9%	63	79,376	747,610	941.9%		0.5663
	2033	118,808	1,217,064	1024.4%	54	64,689	662,669	1024.4%	4.0%	0.5445
	2034	100,048	1,107,444	1106.9%	46	52,379	579,791	1106.9%		0.5235
	2035	83,702	1,001,888	1197.0%	40	42,136	504,354	1197.0% 1294.7%	4.0%	0.5034
	2036 2037	69,561 57,430	900,592 802,844	1294.7% 1397.9%	34 28	33,670 26,729	435,925 373,664	1397.9%	4.0% 4.0%	0.4840 0.4654
	2037	47,115	708,964	1504.7%	24	21,085	317,279	1504.7%	4.0%	0.4475
	2039	38,414	618,700	1610.6%	20	16,530	266,234	1610.6%		0.4303
	2040	31,131	534,834	1718.0%	16	12,881	221,294	1718.0%		0.4138
	2041	25,075	460,410	1836.1%	13	9,976	183,173	1836.1%		0.3978
	2042	20,069	395,487	1970.6%	11	7,677	151,292	1970.6%	4.0%	0.3825
	2043	15,960	336,701	2109.7%	9	5,870	123,849	2109.7%	4.0%	0.3678
	2044	12,608	283,860	2251.4%	7	4,459	100,397	2251.4%	4.0%	0.3537
	2045	9,894	239,069	2416.4%	6	3,365	81,303	2416.4%	4.0%	0.3401
	2046	7,708	199,110	2583.2%	5	2,521	65,109	2583.2%	4.0%	0.3270
	2047	5,960	164,077	2753.0%	4	1,874	51,590	2753.0%	4.0%	0.3144
	2048 2049	4,575 3,487	134,496 109,742	2940.0% 3147.2%	3	1,383	40,662 31,902	2940.0% 3147.2%	4.0% 4.0%	0.3023 0.2907
	2049	3,467 2,641	88,015	3332.4%	2	1,014 738	24,602	3332.4%	4.0%	0.2907
	2050	1,990	69,684	3501.3%	2	535	18,729	3501.3%	4.0%	0.2688
	2052	1,491	54,464	3652.4%	1	385	14,075	3652.4%	4.0%	0.2584
	2053	1,112	42,080	3784.9%	1	276	10,457	3784.9%	4.0%	0.2485
	2054	825	32,268	3910.7%	1	197	7,710	3910.7%	4.0%	0.2389
	2055	608	24,658	4054.1%	1	140	5,665	4054.1%	4.0%	0.2297
	2056	444	18,690	4207.5%	0	98	4,129	4207.5%	4.0%	0.2209
	2057	321	13,881	4323.6%	0	68	2,948	4323.6%	4.0%	0.2124
	<u> </u>		10 = 5 = 5 = 5				4044555			
	Past	14,302,069	12,765,262	89.3%	9,008	22,061,454	16,149,305	73.2%		
	Future	6,640,454	34,356,475	517.4%	2,642	5,183,858	23,164,667	446.9%		
	Lifetime	20,942,523	47,121,737	225.0%	11,650	27,245,312	39,313,973	144.3%		

Attachment 1 Brighthouse Life Insurance Company Nationwide Earned Premium and Incurred Claim Experience Projections with 21.6% Increase LTC4 Tax-Qualified Nursing Facility Only Policy Form

				Loss R	atio Demonstra	ition			Interest Ra	te Factors
		V	Vithout Interest				With Interest		Calendar Year	Mid-Year
	Calendar	Earned	Incurred	Loss	Life	Earned	Incurred	Loss	Effective	Disc / Accum
	Year	Premium	Claims	Ratio	Years	Premium	Claims	Ratio	Int Rate	Factor
	1998	3,427	0	0.0%	26	7,969	0	0.0%	4.4%	2.3255
Historical	1999	277,699	0	0.0%	397	617,984	0	0.0%	4.4%	2.2254
Experience	2000	743,171	0 440	0.0%	668	1,582,613	100.170	0.0%	4.4%	2.1295
	2001	910,805	88,412	9.7%	647	1,856,075	180,170	9.7%	4.4%	2.0378
	2002 2003	871,250 843,841	210,579 52,969	24.2% 6.3%	627 605	1,699,013	410,647 98,845	24.2% 6.3%	4.4% 4.4%	1.9501 1.8661
	2003	816,366	239,519	29.3%	573	1,574,701 1,457,827	96,645 427,722	29.3%	4.4%	1.7858
	2004	848,381	327,225	38.6%	533	1,449,758	559,180	38.6%	4.4%	1.7089
	2006	857,764	702,186	81.9%	516	1,402,673	1,148,262	81.9%	4.4%	1.6353
	2007	836,092	95,274	11.4%	504	1,308,357	149,089	11.4%	4.4%	1.5648
	2008	812,105	458,981	56.5%	486	1,216,097	687,307	56.5%	4.3%	1.4975
	2009	779,141	881,987	113.2%	468	1,116,493	1,263,868	113.2%	4.3%	1.4330
	2010	739,138	574,378	77.7%	448	1,013,558	787,629	77.7%	4.3%	1.3713
	2011	729,865	919,231	125.9%	426	957,744	1,206,234	125.9%	4.3%	1.3122
	2012	745,726	1,708,323	229.1%	408	936,418	2,145,166	229.1%	4.2%	1.2557
	2013	722,130	750,529	103.9%	388	867,740	901,866	103.9%	4.2%	1.2016
	2014	695,243	795,688	114.4%	364	799,456	914,957	114.4%	4.1%	1.1499
	2015	698,412	1,673,679	239.6%	334	770,363	1,846,101	239.6%	4.0%	1.1030
	2016	684,983	1,737,604	253.7%	307	726,490	1,842,896	253.7%	4.0%	1.0606
	2017	686,530	1,548,697	225.6%	283	700,126	1,579,367	225.6%	4.0%	1.0198
	2018	695,229	1,581,147	227.4%	265	681,728	1,550,443	227.4%	4.0%	0.9806
	2019	708,504	1,644,048	232.0%	246	668,025	1,550,117	232.0%	4.0%	0.9429
	2020	736,245	1,680,433	228.2%	228	667,482	1,523,484	228.2%	4.0%	0.9066
Projected	2021	679,954	1,717,392	252.6%	211	592,738	1,497,107	252.6%	4.0%	0.8717
Future	2022	615,596	1,746,049	283.6%	194	515,995	1,463,546	283.6%	4.0%	0.8382
Experience	2023	554,221	1,764,640	318.4%	177	446,683	1,422,240	318.4%	4.0%	0.8060
	2024	496,176	1,766,822	356.1%	162	384,520	1,369,229	356.1%	4.0%	0.7750
	2025	441,643	1,753,244	397.0%	146	329,095	1,306,449	397.0%	4.0%	0.7452
	2026	390,811	1,724,974	441.4%	132	280,017	1,235,945	441.4%	4.0%	0.7165
	2027	343,784	1,685,217	490.2%	118	236,848	1,161,018	490.2%	4.0%	0.6889
	2028 2029	300,581	1,629,960	542.3%	105	199,118	1,079,759	542.3%	4.0%	0.6624 0.6370
	2029	261,182 225,539	1,558,079 1,478,302	596.5% 655.5%	93 82	166,364 138,136	992,444 905,412	596.5% 655.5%	4.0% 4.0%	0.6125
	2030	193,565	1,390,533	718.4%	72	113,992	818,901	718.4%	4.0%	0.5889
	2032	165,105	1,293,914	783.7%	62	93,492	732,693	783.7%	4.0%	0.5663
	2033	139,936	1,192,485	852.2%	54	76,193	649,286	852.2%	4.0%	0.5445
	2034	117,840	1,084,840	920.6%	46	61,694	567,957	920.6%	4.0%	0.5235
	2035	98,588	981,240	995.3%	39	49,629	493,960	995.3%	4.0%	0.5034
	2036	81,932	881,863	1076.3%	33	39,658	426,859	1076.3%	4.0%	0.4840
	2037	67,644	786,011	1162.0%	28	31,483	365,829	1162.0%	4.0%	0.4654
	2038	55,494	693,989	1250.6%	23	24,835	310,577	1250.6%	4.0%	0.4475
	2039	45,246	605,538	1338.3%	19	19,470	260,570	1338.3%	4.0%	0.4303
	2040	36,668	523,382	1427.4%	16	15,172	216,555	1427.4%		0.4138
	2041	29,534	450,492	1525.3%	13	11,750	179,227	1525.3%		0.3978
	2042	23,638	386,919	1636.8%	11	9,043	148,014	1636.8%	4.0%	0.3825
	2043	18,798	329,369	1752.2%	9	6,914	121,153	1752.2%	4.0%	0.3678
	2044	14,850	277,649	1869.7%	7	5,252	98,200	1869.7%	4.0%	0.3537
	2045	11,653	233,814	2006.5%	6	3,963	79,516	2006.5%	4.0%	0.340
	2046	9,079	194,712	2144.7%	5	2,969	63,671	2144.7%	4.0%	0.3270
	2047	7,020	160,438	2285.5%	4	2,207	50,446	2285.5%	4.0%	0.3144
	2048	5,388	131,501	2440.5%	3	1,629	39,757	2440.5%	4.0%	0.3023
	2049	4,107	107,288	2612.2%	2	1,194	31,189	2612.2%	4.0%	0.290
	2050	3,111	86,040	2765.7%	2	870	24,050	2765.7%	4.0%	0.279
	2051	2,344	68,116	2905.8%	2	630	18,308	2905.8%	4.0%	0.2688
	2052	1,756	53,235	3031.0%	1	454	13,758	3031.0%	4.0%	0.2584
	2053	1,310	41,129	3140.8%	1	325	10,220	3140.8%	4.0%	0.248
	2054	972	31,537	3245.1%	1	232	7,535	3245.1%	4.0%	0.238
	2055	716	24,099	3364.0%	1	165	5,537	3364.0%	4.0%	0.229
	2056	523	18,265	3491.1%	0	116	4,035	3491.1%	4.0%	0.220
	2057	378	13,565	3587.4%	Ü	80	2,881	3587.4%	4.0%	0.212
	Pact	14,302,069	12,765,262	89.3%	0.009	22,061,454	16,149,305	73.2%		
	Past Future	7,586,660	33,772,272	89.3% 445.2%	9,008 2,620	5,880,160	22,797,877	73.2% 387.7%		
	Lifetime	21,888,729	46,537,534	212.6%	11,628	27,941,614	38,947,183	139.4%		
	Lucune	21,000,128	+0,001,004	۷ ۱۷.۵ /۵	11,020	41,041,014	50,541,105	103.4 /0		

Attachment 2 Brighthouse Life Insurance Company Nationwide Written Premium and Paid Claim Experience Projections with No Increase LTC4 Tax-Qualified Nursing Facility Only Policy Form

		Loss Ratio Demonstration									Interest Rate Factors		
			Without Ir	nterest			With Int	terest		Calendar Year	Mid-Year		
	Calendar	Written	Paid	Loss	Accumulated	Written	Paid	Loss	Accumulated	Effective	Disc / Accu		
	Year	Premium	Claims	Ratio	Loss Ratio	Premium	Claims	Ratio	Loss Ratio	Int Rate	Factor		
	1998	18,243	0	0.0%	0.0%	42,424	0	0.0%	0.0%	4.4%	2.3		
Historical	1999	424,586	0	0.0%	0.0%	944,861	0	0.0%	0.0%	4.4%	2.2		
Experience	2000	846,545	0	0.0%	0.0%	1,802,753	0	0.0%	0.0%	4.4%	2.1		
	2001	898,101	2,679	0.3%	0.1%	1,830,185	5,459	0.3%	0.1%	4.4%	2.0		
	2002	862,152	47,430	5.5%	1.6%	1,681,270	92,492	5.5%	1.6%	4.4%	1.9		
	2003	838,614	112,363	13.4%	4.2%	1,564,946	209,683	13.4%	3.9%	4.4%	1.8		
	2004	812,524	103,556	12.7%	5.7%	1,450,966	184,925	12.7%	5.3%	4.4%	1.7		
	2005	861,365	95,703	11.1%	6.5%	1,471,946	163,543	11.1%	6.1%	4.4%	1.7		
	2006	838,737	103,190	12.3%	7.3%	1,371,558	168,743	12.3%	6.8%		1.		
	2007	831,530	73,931	8.9%	7.5%	1,301,219	115,691	8.9%	7.0%		1.		
	2008	804,144	549,240	68.3%	13.5%	1,204,175	822,466	68.3%	12.0%		1.		
	2009	769,624	571,991	74.3%	18.9%	1,102,855	819,651	74.3%	16.4%		1.		
	2010	725,302	671,638	92.6%	24.5%	994,586	920,998	92.6%	20.9%		1.		
	2010	735,894	718,959	97.7%	29.7%	965,655	943,433	97.7%	25.1%		1.		
	2012	750,304	790,149	105.3%	34.9%	942,168	992,201	105.3%	29.1%		1.		
	2013	714,619	896,713	125.5%	40.4%	858,715	1,077,527	125.5%	33.4%		1.		
	2014	704,707	1,115,223	158.3%	47.1%	810,339	1,282,389	158.3%	38.3%		1.		
	2015	695,952	1,143,673	164.3%	53.3%	767,649	1,261,494	164.3%	42.9%		1.		
	2016	690,383	1,334,348	193.3%	60.3%	732,218	1,415,204	193.3%	48.0%		1		
	2017	705,718	1,536,199	217.7%	67.9%	719,694	1,566,622	217.7%	53.4%		1.		
	2018	697,792	1,705,951	244.5%	76.0%	684,241	1,672,823	244.5%	59.0%		0		
	2019	672,784	1,924,539	286.1%	84.9%	634,345	1,814,583	286.1%	65.0%	4.0%	0		
Projected	2020	616,919	1,997,532	323.8%	93.8%	559,300	1,810,966	323.8%	71.0%	4.0%	0		
Future	2021	560,447	1,809,845	322.9%	101.3%	488,560	1,577,701	322.9%	75.9%	4.0%	0		
Experience	2022	506,259	1,838,543	363.2%	108.9%	424,348	1,541,075	363.2%	80.7%	4.0%	0		
	2023	454,711	1,854,214	407.8%	116.4%	366,482	1,494,433	407.8%	85.4%	4.0%	0		
	2024	406,076	1,874,808	461.7%	124.0%	314,695	1,452,915	461.7%	89.9%	4.0%	0		
	2025	360,519	1,884,801	522.8%	131.7%	268,645	1,404,480	522.8%	94.3%		0		
	2026	318,205	1,881,645	591.3%	139.3%	227,994	1,348,200	591.3%	98.6%		0		
	2027	279,175	1,864,575	667.9%	146.9%	192,335	1,284,586	667.9%	102.7%		0.		
	2028	243,425	1,833,374	753.2%	154.4%	161,256	1,214,510	753.2%	106.6%		0		
	2029	210,936	1,787,302	847.3%	161.8%	134,359	1,138,452	847.3%	110.3%		0		
	2030	181,665	1,727,047	950.7%	168.9%	111,264	1,057,761	950.7%	113.7%		0		
	2030	155,510	1,654,467	1063.9%	175.8%	91,582	974,334	1063.9%	116.9%		0		
	2032	132,311	1,570,426	1186.9%	182.4%	74,922	889,271	1186.9%	119.9%		0		
	2033	111,871	1,476,826	1320.1%	188.6%	60,912	804,105	1320.1%	122.5%		0		
	2034	93,990	1,375,733	1463.7%	194.5%	49,207	720,251	1463.7%	125.0%		0		
	2035	78,451	1,269,579	1618.3%	199.9%	39,492	639,111	1618.3%	127.1%		0		
	2036	65,056	1,161,873	1786.0%	204.9%	31,490	562,396	1786.0%	129.0%		0		
	2037	53,604	1,054,847	1967.9%	209.4%	24,949	490,953	1967.9%	130.7%		0		
	2038	43,895	950,335	2165.0%	213.6%	19,644	425,298	2165.0%	132.1%		0		
	2039	35,722	849,533	2378.2%	217.3%	15,372	365,564	2378.2%	133.4%	4.0%	0		
	2040	28,896	753,031	2606.0%	220.6%	11,956	311,575	2606.0%	134.5%	4.0%	0		
	2041	23,228	662,120	2850.6%	223.5%	9,241	263,423	2850.6%	135.4%	4.0%	0		
	2042	18,551	578,760	3119.8%	226.1%	7,097	221,402	3119.8%	136.1%	4.0%	0		
	2043	14,720	503,359	3419.6%	228.4%	5,414	185,152	3419.6%	136.8%	4.0%	0		
	2044	11,603	435,069	3749.6%	230.3%	4,104	153,877	3749.6%	137.3%		0		
	2045	9,081	373,894	4117.3%	232.0%	3,088	127,154	4117.3%	137.8%		0		
	2046	7,053	319,817	4534.3%	233.4%	2,306	104,581	4534.3%	138.1%		0		
	2047	5,435	272,055	5005.3%	234.7%	1,709	85,541	5005.3%	138.4%		0		
	2048	4,157	229,894	5529.8%	235.7%	1,257	69,504	5529.8%	138.7%		0		
	2049	3,156	192,920	6112.5%	236.6%	918	56,083	6112.5%	138.9%		0		
	2049			6750.3%	230.6%	666		6750.3%	130.9%		0		
		2,381 1,785	160,744				44,932 35,701						
	2051	1,785	132,831	7442.0%	238.0%	480	35,701	7442.0%	139.2%		0		
	2052	1,331	108,630	8164.6%	238.5%	344	28,074	8164.6%	139.3%		0		
	2053	986	87,733	8898.1%	238.9%	245	21,801	8898.1%	139.3%		0		
	2054	727	70,087	9646.8%	239.2%	174	16,746	9646.8%	139.4%		0		
	2055	531	55,525	10459.0%	239.5%		12,757	10459.0%	139.4%		0		
	2056	384	43,680	11368.3%	239.7%	85	9,649	11368.3%	139.5%	4.0%	0		
	2057	275	34,104	12396.3%	239.8%	58	7,244	12396.3%	139.5%	4.0%	0		
	Doct	44.500.044	0.000.005	07.001		00.500.400	40.040.500	E0 40/					
	Past Future	14,529,044 6,413,601	9,866,985 40,362,049	67.9% 629.3%		22,560,182 5,024,658	12,042,520 26,438,960	53.4% 526.2%					
		5,415,001	50,229,034	239.8%		27,584,840	38,481,480	139.5%					

Attachment 2 Brighthouse Life Insurance Company Nationwide Written Premium and Paid Claim Experience Projections with 21.6% Increase LTC4 Tax-Qualified Nursing Facility Only Policy Form

		Loss Ratio Demonstration								Interest Rate Factors	
			Without Ir	nterest			With Int	erest		Calendar Year	Mid-Year
	Calendar	Written	Paid	Loss	Accumulated	Written	Paid	Loss	Accumulated	Effective	Disc / Accum
	Year	Premium	Claims	Ratio	Loss Ratio	Premium	Claims	Ratio	Loss Ratio	Int Rate	Factor
	1998	18,243	0	0.0%	0.0%	42,424	0	0.0%	0.0%	4.4%	2.3255
Historical	1999	424,586	0	0.0%	0.0%	944,861	0	0.0%	0.0%		2.2254
Experience	2000	846,545	0	0.0%	0.0%	1,802,753	0	0.0%	0.0%		2.1295
	2001	898,101	2,679	0.3%	0.1%	1,830,185	5,459	0.3%	0.1%		2.0378
	2002	862,152	47,430	5.5%	1.6%	1,681,270	92,492	5.5%	1.6%	4.4%	1.9501
	2003	838,614	112,363	13.4%	4.2%	1,564,946	209,683	13.4%	3.9%	4.4%	1.8661
	2004	812,524	103,556	12.7%	5.7%	1,450,966	184,925	12.7%	5.3%		1.7858
	2005	861,365	95,703	11.1%	6.5%	1,471,946	163,543	11.1%	6.1%	4.4%	1.7089
	2006	838,737	103,190	12.3%	7.3%	1,371,558	168,743	12.3%	6.8%	4.4%	1.6353
	2007	831,530	73,931	8.9%	7.5%	1,301,219	115,691	8.9%	7.0%	4.4%	1.5648
	2008	804,144	549,240	68.3%	13.5%	1,204,175	822,466	68.3%	12.0%	4.3%	1.4975
	2009	769,624	571,991	74.3%	18.9%	1,102,855	819,651	74.3%	16.4%	4.3%	1.4330
	2010	725,302	671,638	92.6%	24.5%	994,586	920,998	92.6%	20.9%	4.3%	1.3713
	2011	735,894	718,959	97.7%	29.7%	965,655	943,433	97.7%	25.1%	4.3%	1.3122
	2012	750,304	790,149	105.3%	34.9%	942,168	992,201	105.3%	29.1%	4.2%	1.2557
	2013	714,619	896,713	125.5%	40.4%	858,715	1,077,527	125.5%	33.4%	4.2%	1.2016
	2014	704,707	1,115,223	158.3%	47.1%	810,339	1,282,389	158.3%	38.3%	4.1%	1.1499
	2015	695,952	1,143,673	164.3%	53.3%	767,649	1,261,494	164.3%	42.9%	4.0%	1.1030
	2016	690,383	1,334,348	193.3%	60.3%	732,218	1,415,204	193.3%	48.0%	4.0%	1.0606
	2017	705,718	1,536,199	217.7%	67.9%	719,694	1,566,622	217.7%	53.4%	4.0%	1.0198
	2018	697,845	1,705,951	244.5%	76.0%	684,294	1,672,823	244.5%	59.0%	4.0%	0.9806
	2019	726,307	1,923,588	264.8%	84.6%	684,810	1,813,686	264.8%	64.9%	4.0%	0.9429
	2020	722,242	1,990,910	275.7%	92.9%	654,786	1,804,963	275.7%	70.5%	4.0%	0.9066
Projected	2021	660,154	1,795,416	272.0%	99.7%	575,478	1,565,123	272.0%	75.1%	4.0%	0.8717
Future	2022	596,322	1,817,278	304.7%	106.5%	499,840	1,523,250	304.7%	79.6%	4.0%	0.8382
Experience	2023	535,602	1,828,398	341.4%	113.3%	431,677	1,473,626	341.4%	83.9%	4.0%	0.8060
	2024	478,313	1,846,160	386.0%	120.2%	370,677	1,430,714	386.0%	88.2%	4.0%	0.7750
	2025	424,650	1,854,297	436.7%	127.1%	316,433	1,381,749	436.7%	92.3%	4.0%	0.7452
	2026	374,808	1,850,011	493.6%	134.1%	268,550	1,325,534	493.6%	96.3%	4.0%	0.7165
	2027	328,834	1,832,236	557.2%	141.0%	226,548	1,262,306	557.2%	100.1%	4.0%	0.6889
	2028	286,725	1,800,716	628.0%	147.9%	189,939	1,192,875	628.0%	103.7%	4.0%	0.6624
	2029	248,455	1,754,717	706.2%	154.6%	158,258	1,117,696	706.2%	107.2%	4.0%	0.6370
	2030	213,978	1,694,909	792.1%	161.2%	131,054	1,038,077	792.1%	110.4%	4.0%	0.6125
	2031	183,170	1,623,118	886.1%	167.5%	107,871	955,873	886.1%	113.4%	4.0%	0.5889
	2032	155,844	1,540,188	988.3%	173.5%	88,248	872,148	988.3%	116.2%	4.0%	0.5663
	2033	131,768	1,447,978	1098.9%	179.3%	71,745	788,398	1098.9%	118.7%	4.0%	0.5445
	2034	110,706	1,348,511	1218.1%	184.6%	57,959	705,999	1218.1%	121.0%	4.0%	0.5235
	2035	92,404	1,244,165	1346.4%	189.6%	46,516	626,318	1346.4%	123.0%	4.0%	0.5034
	2036	76,626	1,138,371	1485.6%	194.2%	37,090	551,020	1485.6%	124.8%	4.0%	0.4840
	2037	63,137	1,033,307	1636.6%	198.4%	29,386	480,927	1636.6%	126.4%	4.0%	0.4654
	2038	51,701	930,760	1800.3%	202.3%	23,138	416,538	1800.3%	127.7%	4.0%	0.4475
	2039	42,075	831,896	1977.2%	205.7%	18,105	357,975	1977.2%	128.9%	4.0%	0.4303
	2040	34,035	737,283	2166.2%	208.8%	14,083	305,059	2166.2%	129.9%	4.0%	0.4138
	2041	27,359	648,182	2369.2%	211.5%	10,885	257,877	2369.2%	130.8%		0.3978
	2042	21,851	566,500	2592.6%	213.9%	8,359	216,712	2592.6%	131.5%		0.3825
	2043	17,338	492,635	2841.4%	215.9%	6,377	181,207	2841.4%	132.1%		0.3678
	2044	13,667	425,749	3115.3%	217.8%	4,834	150,581	3115.3%	132.7%		0.3537
	2045	10,696	365,842	3420.3%	219.3%	3,638	124,416	3420.3%	133.1%		0.3401
	2046	8,308	312,896	3766.4%	220.7%	2,717	102,318	3766.4%	133.4%		0.3270
	2047	6,402	266,140	4157.2%	221.8%	2,013	83,681	4157.2%	133.7%		0.3144
	2048	4,897	224,875	4592.4%	222.8%	1,480	67,987	4592.4%	133.9%		0.3023
	2049	3,717	188,692	5075.8%	223.6%	1,081	54,853	5075.8%	134.1%		0.2907
	2050	2,805	157,208	5605.0%	224.3%	784	43,943	5605.0%	134.3%		0.2795
	2051	2,102	129,899	6178.8%	224.9%	565	34,913	6178.8%	134.4%		0.2688
	2052	1,567	106,225	6778.4%	225.4%	405	27,452	6778.4%	134.5%		0.2584
	2053	1,161	85,786	7386.9%	225.7%	289	21,317	7386.9%	134.6%	4.0%	0.2485
	2054	856	68,529	8008.1%	226.0%	204	16,374	8008.1%	134.6%	4.0%	0.2389
	2055	625	54,289	8682.0%	226.3%	144	12,473	8682.0%	134.7%	4.0%	0.2297
	2056	453	42,706	9436.6%	226.5%	100	9,434	9436.6%	134.7%	4.0%	0.2209
	2057	324	33,342	10289.7%	226.6%	69	7,082	10289.7%	134.7%	4.0%	0.2124
	2001	324	30,342	10203.1 /0	220.0 /0	09	7,002	10203.1 /0	154.7 /0	4.070	0.2122
				07.00/		00.500.400	10.010.500	FO 40/			
	Past	14.529.044	9,866,985	67.9%	l	22,560.182	12,042.520	53.4%	Į.		
	Past Future	14,529,044 7,359,829	9,866,985 39,739,660	67.9% 540.0%		22,560,182 5,730,427	12,042,520 26,075,298	53.4% 455.0%			

Attachment 3 Brighthouse Life Insurance Company Pennsylvania Earned Premium and Incurred Claim Experience Projections with No Increase LTC4 Tax-Qualified Nursing Facility Only Policy Form

		Loss Ratio Demonst				ation			Interest Ra	te Factors
		V	Vithout Interest				With Interest		Calendar Year	Mid-Year
	Calendar	Earned	Incurred	Loss	Life	Earned	Incurred	Loss	Effective	Disc / Accum
	Year	Premium	Claims	Ratio	Years	Premium	Claims	Ratio	Int Rate	Factor
l lintavia al	1998	408	0	0.0%	2	949	0	0.0%	4.4%	2.3255
Historical	1999	19,568	0	0.0%	32	43,546	0	0.0%	4.4%	2.2254 2.1295
Experience	2000 2001	53,085 70,871	0 0	0.0% 0.0%	57 59	113,048 144,423	0	0.0% 0.0%	4.4% 4.4%	2.1295
	2002	68,193	0	0.0%	56	132,981	0	0.0%	4.4%	1.9501
	2003	66,259	0	0.0%	55	123,647	0	0.0%	4.4%	1.8661
	2004	65,477	0	0.0%	52	116,926	0	0.0%	4.4%	1.7858
	2005	68,964	0	0.0%	49	117,850	0	0.0%	4.4%	1.7089
	2006	69,084	0	0.0%	47	112,971	0	0.0%	4.4%	1.6353
	2007	66,706	0	0.0%	44	104,384	0	0.0%	4.4%	1.5648
	2008	64,188	0	0.0%	44	96,118	0	0.0%	4.3%	1.4975
	2009	60,110	0	0.0%	42	86,137	0	0.0%	4.3%	1.4330
	2010	53,746	0	0.0%	41	73,701	0	0.0%	4.3%	1.3713
	2011	54,858	0	0.0%	40	71,986	0	0.0%	4.3%	1.3122
	2012	57,350	0	0.0%	39	72,015	0	0.0%	4.2%	1.2557
	2013	56,612	0	0.0%	38	68,027	0	0.0%	4.2%	1.2016
	2014 2015	53,172 57,517	227,279 269,091	427.4% 467.8%	36 35	61,142 63,442	261,347 296,813	427.4%	4.1% 4.0%	1.1499 1.1030
	2016	62,185	4,727	7.6%	34	65,954	296,613 5,013	467.8% 7.6%	4.0%	1.0606
	2017	64,967	44,456	68.4%	34	66,254	45,336	68.4%	4.0%	1.0198
	2018	69,690	183,428	263.2%	32	68,336	179,866	263.2%	4.0%	0.9806
	2019	70,079	197,178	281.4%	31	66,075	185,912	281.4%	4.0%	0.9429
	2020	65,544	208,124	317.5%	29	59,422	188,686	317.5%	4.0%	0.9066
Projected	2021	60,477	215,117	355.7%	27	52,720	187,524	355.7%	4.0%	0.8717
Future	2022	55,402	221,102	399.1%	25	46,439	185,329	399.1%	4.0%	0.8382
Experience	2023	50,352	222,547	442.0%	24	40,582	179,365	442.0%	4.0%	0.8060
	2024	45,400	220,213	485.1%	22	35,183	170,658	485.1%	4.0%	0.7750
	2025	40,600	216,440	533.1%	20	30,254	161,282	533.1%	4.0%	0.7452
	2026	35,998	209,301	581.4%	18	25,793	149,964	581.4%	4.0%	0.7165
	2027	31,641	197,918	625.5%	16	21,799	136,355	625.5%	4.0%	0.6889
	2028	27,559	184,497	669.5%	15	18,256	122,219	669.5%	4.0%	0.6624
	2029	23,782	170,442	716.7%	13	15,149	108,566	716.7%	4.0%	0.6370
	2030	20,335	154,803	761.3%	12	12,454	94,812	761.3%	4.0%	0.6125
	2031 2032	17,222 14,447	139,648 124,243	810.8% 860.0%	10	10,142 8,181	82,240 70,354	810.8% 860.0%	4.0% 4.0%	0.5889 0.5663
	2032	12,004	108,207	901.4%	8	6,536	58,917	901.4%	4.0%	0.5445
	2034	9,881	93,808	949.4%	6	5,173	49,112	949.4%	4.0%	0.5235
	2035	8,056	80,154	994.9%	6	4,056	40,350	994.9%	4.0%	0.5034
	2036	6,508	68,023	1045.2%	5	3,150	32,926	1045.2%	4.0%	0.4840
	2037	5,213	58,070	1114.0%	4	2,426	27,027	1114.0%	4.0%	0.4654
	2038	4,145	48,660	1173.9%	3	1,855	21,777	1173.9%	4.0%	0.447
	2039	3,274	39,621	1210.1%	3	1,409	17,049	1210.1%	4.0%	0.4303
	2040	2,572	32,148	1249.8%	2	1,064	13,302	1249.8%		0.4138
	2041	2,014	26,052	1293.5%	2	801	10,365	1293.5%	4.0%	0.3978
	2042	1,573	20,927	1330.2%	1	602	8,006	1330.2%	4.0%	0.382
	2043	1,228	16,735	1363.0%	1	452	6,156	1363.0%	4.0%	0.3678
	2044 2045	960 754	13,408	1396.5% 1411.7%	1	340 256	4,742 3,619	1396.5% 1411.7%	4.0% 4.0%	0.353 [°] 0.340 [°]
	2046	754 595	10,641 8,349	1404.1%	1	256 194	2,730	1411.7%	4.0%	0.340
	2047	471	6,409	1360.2%	1	148	2,730 2,015	1360.2%	4.0%	0.327
	2048	375	4,885	1304.0%	6	113	1,477	1304.0%	4.0%	0.302
	2049	298	3,737	1254.4%	0	87	1,086	1254.4%	4.0%	0.290
	2050	235	2,874	1221.4%	ő	66	803	1221.4%	4.0%	0.279
	2051	184	2,249	1220.7%	ő	50	604	1220.7%	4.0%	0.268
	2052	142	1,770	1244.8%	o	37	457	1244.8%	4.0%	0.258
	2053	108	1,320	1223.6%	0	27	328	1223.6%	4.0%	0.248
	2054	80	959	1195.8%	0	19	229	1195.8%	4.0%	0.238
	2055	58	685	1176.3%	0	13	157	1176.3%	4.0%	0.229
	2056	41	477	1158.8%	0	9	105	1158.8%	4.0%	0.220
	2057	28	322	1138.9%	0	6	68	1138.9%	4.0%	0.212
	Doct	4 400 004	E 4 E E E C	40.407	200	4 705 504	000 500	05.407		
	Past Future	1,133,321 689,327	545,553 3,515,491	48.1% 510.0%	836 348	1,735,501 539,674	608,509	35.1% 464.5%		
	Lifetime	1,822,648	4,061,044	510.0% 222.8%	1,184	2,275,175	2,506,540 3,115,050	464.5% 136.9%		
	LIIGUIIIG	1,022,040	4,001,044	ZZZ.070	1,104	۲,۷۱۵,۱۱۵	3, 1 13,030	130.9%		

Attachment 3 Brighthouse Life Insurance Company Pennsylvania Earned Premium and Incurred Claim Experience Projections with 21.6% Increase LTC4 Tax-Qualified Nursing Facility Only Policy Form

				Loss F	Ratio Demonstra	ation			Interest Ra	
			ithout Interest			_	With Interest		Calendar Year	Mid-Year
	Calendar	Earned	Incurred	Loss	Life	Earned	Incurred	Loss	Effective	Disc / Accum
	Year	Premium	Claims	Ratio	Years	Premium	Claims	Ratio	Int Rate	Factor
1.12 - (- 2 1	1998	408	0	0.0%	2	949	0	0.0%	4.4%	2.325
Historical	1999	19,568	0	0.0%	32	43,546	0	0.0%	4.4%	2.225
Experience	2000	53,085	0	0.0%	57	113,048	0	0.0%	4.4%	2.129
	2001	70,871	0	0.0%	59	144,423	0	0.0%	4.4%	2.037
	2002	68,193	0	0.0%	56	132,981	0	0.0%	4.4%	1.950
	2003	66,259	0	0.0%	55	123,647	0	0.0%	4.4%	1.866
	2004	65,477	0	0.0%	52	116,926	0	0.0%	4.4%	1.785
	2005 2006	68,964 69,084	0 0	0.0% 0.0%	49 47	117,850	0 0	0.0% 0.0%	4.4% 4.4%	1.708 1.635
	2007	66,706	0	0.0%	44	112,971 104,384	0	0.0%	4.4%	1.564
	2007	64,188	0	0.0%	44	96,118	0	0.0%	4.4%	1.302
	2009	60,110	0	0.0%	42	86,137	0	0.0%	4.3%	1.43
	2010	53,746	0	0.0%	41	73,701	0	0.0%	4.3%	1.43
	2010	54,858	0	0.0%	40	71,986	0	0.0%	4.3%	1.31
	2011	57,350	0	0.0%	39	71,980 72,015	0	0.0%	4.2%	1.25
	2012	56,612	0	0.0%	38	68,027	0	0.0%	4.2%	1.20
	2013	53,172	•				261 247		4.2%	1.149
	2014	53,172 57,517	227,279	427.4% 467.8%	36 35	61,142 63,442	261,347 206 813	427.4% 467.8%		1.14
			269,091 4 727	467.8% 7.6%			296,813 5.013		4.0%	1.10 1.06
	2016	62,185 64,067	4,727	7.6%	34	65,954	5,013	7.6%	4.0%	
	2017	64,967 69,690	44,456	68.4%	34	66,254	45,336	68.4%	4.0%	1.01 0.98
	2018		183,428	263.2%	32	68,336	179,866	263.2%	4.0%	
Destruction	2019	72,377	196,566	271.6%	31	68,242	185,336	271.6%	4.0%	0.94
Projected	2020	76,308	204,961	268.6%	29	69,181	185,818	268.6%	4.0%	0.90
Future	2021	71,232	211,481	296.9%	27	62,095	184,355	296.9%	4.0%	0.87
Experience	2022	65,255	217,287	333.0%	25	54,697	182,131	333.0%	4.0%	0.83
	2023	59,307	218,633	368.6%	23	47,799	176,211	368.6%	4.0%	0.80
	2024	53,474	216,272	404.4%	21	41,440	167,604	404.4%	4.0%	0.77
	2025	47,820	212,511	444.4%	20	35,634	158,355	444.4%	4.0%	0.74
	2026	42,400	205,452	484.6%	18	30,380	147,206	484.6%	4.0%	0.71
	2027	37,267	194,233	521.2%	16	25,675	133,815	521.2%	4.0%	0.68
	2028	32,460	181,021	557.7%	15	21,503	119,917	557.7%	4.0%	0.66
	2029	28,012	167,195	596.9%	13	17,843	106,498	596.9%	4.0%	0.63
	2030	23,951	151,826	633.9%	11	14,669	92,989	633.9%	4.0%	0.61
	2031	20,285	136,939	675.1%	10	11,946	80,645	675.1%		0.58
	2032	17,016	121,813	715.9%	9	9,636	68,978	715.9%	4.0%	0.56
	2033	14,139	106,070	750.2%	8	7,698	57,753	750.2%	4.0%	0.54
	2034	11,638	91,939	790.0%	6	6,093	48,134	790.0%	4.0%	0.52
	2035	9,489	78,545	827.7%	5	4,777	39,540	827.7%	4.0%	0.50
	2036	7,666	66,647	869.4%	5	3,711	32,260	869.4%	4.0%	0.48
	2037	6,140	56,886	926.5%	4	2,858	26,476	926.5%	4.0%	0.46
	2038	4,882	47,662	976.3%	3	2,185	21,330	976.3%	4.0%	0.44
	2039	3,856	38,805	1006.3%	3	1,659	16,698	1006.3%	4.0%	0.43
	2040	3,030	31,484	1039.2%	2	1,254	13,027	1039.2%	4.0%	0.41
	2041	2,372	25,512	1075.5%	2	944	10,150	1075.5%	4.0%	0.39
	2042	1,853	20,493	1105.9%	1	709	7,840	1105.9%	4.0%	0.38
	2043	1,446	16,388	1133.2%	1	532	6,028	1133.2%	4.0%	0.36
	2044	1,131	13,130	1161.1%	1	400	4,644	1161.1%	4.0%	0.35
	2045	888	10,421	1173.8%	1	302	3,544	1173.8%	4.0%	0.34
	2046	700	8,178	1167.6%	1	229	2,674	1167.6%	4.0%	0.32
	2047	555	6,278	1131.2%	1	175	1,974	1131.2%	4.0%	0.31
	2048	441	4,786	1084.6%	o	133	1,447	1084.6%	4.0%	0.30
	2049	351	3,661	1043.4%	o	102	1,064	1043.4%		0.29
	2050	277	2,816	1016.1%	ol	77	787	1016.1%		0.27
	2051	217	2,204	1015.7%	o	58	592	1015.7%	4.0%	0.26
	2052	167	1,735	1035.9%	0	43	448	1035.9%	4.0%	0.2
	2053	127	1,294	1018.4%	o	32	321	1018.4%		0.24
	2054	94	940	995.3%	ő	23	225	995.3%	4.0%	0.23
	2055	69	672	979.1%	ő	16	154	979.1%	4.0%	0.22
	2056	48	467	964.6%	0	11	103	964.6%		0.22
	2057	33	316	948.1%	0	7	67	948.1%	4.0%	0.22
	2001		310	J-10.1 /0	<u> </u>	ı	U1	J . U. 1 /0	4.070	0.2
	Past	1,133,321	545,553	48.1%	836	1,735,501	608,509	35.1%		
	Future	788,466	3,456,949	438.4%	345	613,103	2,467,004	402.4%		
	Lifetime	1,921,786	4,002,501	208.3%	1,181	2,348,604	3,075,513	131.0%		

Attachment 4 Brighthouse Life Insurance Company Pennsylvania Written Premium and Paid Claim Experience Projections with No Increase LTC4 Tax-Qualified Nursing Facility Only Policy Form

,		Loss Ratio Demonstration								Interest Rat	e Factors
			Without Ir	nterest			With In	terest		Calendar Year	Mid-Year
	Calendar	Written	Paid	Loss	Accumulated	Written	Paid	Loss	Accumulated	Effective	Disc / Accum
	Year	Premium	Claims	Ratio	Loss Ratio	Premium	Claims	Ratio	Loss Ratio	Int Rate	Factor
	1998	2,929	0	0.0%	0.0%	6,811	0	0.0%	0.0%	4.4%	2.325
Historical	1999	35,714	0	0.0%	0.0%	79,476	0	0.0%	0.0%		2.2254
Experience	2000	61,550	0	0.0%	0.0%	131,073	0	0.0%	0.0%	4.4%	2.129
	2001	70,934	0	0.0%	0.0%	144,553	0	0.0%	0.0%	4.4%	2.0378
	2002	67,811	0	0.0%	0.0%	132,237	0	0.0%	0.0%	4.4%	1.950
	2003	66,177	0	0.0%	0.0%	123,493	0	0.0%	0.0%	4.4%	1.866
	2004	66,339	0	0.0%	0.0%	118,465	0	0.0%	0.0%		1.7858
	2005	71,522	0	0.0%	0.0%	122,221	0	0.0%	0.0%	4.4%	1.7089
	2006	66,419	0	0.0% 0.0%	0.0%	108,612	0	0.0%	0.0%	4.4%	1.6353
	2007 2008	65,102 64,190	0	0.0%	0.0% 0.0%	101,875 96,122	0	0.0% 0.0%	0.0% 0.0%	4.4% 4.3%	1.5648 1.4978
	2009	56,331	0	0.0%	0.0%	80,721	0	0.0%	0.0%	4.3%	1.4330
	2009	52,879	0	0.0%	0.0%	72,511	0	0.0%	0.0%	4.3%	1.3713
	2010	56,974	0	0.0%	0.0%	74,763	0	0.0%	0.0%	4.3%	1.3122
	2012	57,247	0	0.0%	0.0%	71,886	0	0.0%	0.0%	4.2%	1.2557
	2012	55,673	0	0.0%	0.0%	66,899	0	0.0%	0.0%	4.2%	1.2016
	2014	55,047	0	0.0%	0.0%	63,298	0	0.0%	0.0%	4.1%	1.1499
	2015	58,821	65,273	111.0%	6.3%	64,881	71,998	111.0%	4.3%	4.0%	1.1030
	2016	63,462	163,858	258.2%	20.9%	67,308	173,788	258.2%	14.2%	4.0%	1.0606
	2017	68,635	119,153	173.6%	29.9%	69,994	121,512	173.6%	20.4%	4.0%	1.0198
	2018	70,631	125,016	177.0%	38.3%	69,259	122,589	177.0%	26.2%	4.0%	0.9806
	2019	68,661	181,251	264.0%	50.2%	64,738	170,895	264.0%	34.2%	4.0%	0.9429
Projected	2020	63,571	215,479	339.0%	63.7%	57,633	195,354	339.0%	43.0%	4.0%	0.9066
Future	2021	58,445	209,112	357.8%	75.7%	50,949	182,290	357.8%	50.9%	4.0%	0.8717
Experience	2022	53,325	220,744	414.0%	87.9%	44,697	185,029	414.0%	58.7%	4.0%	0.8382
·	2023	48,263	225,679	467.6%	99.9%	38,898	181,890	467.6%	66.2%	4.0%	0.8060
	2024	43,329	230,106	531.1%	111.8%	33,579	178,325	531.1%	73.4%	4.0%	0.7750
	2025	38,553	231,045	599.3%	123.5%	28,728	172,165	599.3%	80.3%	4.0%	0.7452
	2026	34,005	228,532	672.1%	134.9%	24,364	163,743	672.1%	86.9%	4.0%	0.716
	2027	29,729	222,617	748.8%	145.8%	20,481	153,370	748.8%	92.9%	4.0%	0.6889
	2028	25,748	213,556	829.4%	156.1%	17,056	141,469	829.4%	98.5%	4.0%	0.6624
	2029	22,093	202,138	914.9%	165.9%	14,073	128,755	914.9%	103.6%	4.0%	0.6370
	2030	18,778	188,909	1006.0%	175.0%	11,501	115,701	1006.0%	108.2%	4.0%	0.6125
	2031	15,814	174,117	1101.1%	183.3%	9,313	102,540	1101.1%	112.2%	4.0%	0.5889
	2032	13,190	158,543	1202.0%	190.9%	7,469	89,777	1202.0%	115.8%	4.0%	0.5663
	2033	10,898	142,623	1308.7%	197.8%	5,934	77,656	1308.7%	118.9%		0.544
	2034	8,924	126,792	1420.7%	203.9%	4,672	66,381	1420.7%	121.5%		0.5235
	2035	7,243	111,486	1539.2%	209.3%	3,646	56,122	1539.2%	123.7%		0.5034
	2036	5,829	96,875	1662.1%	214.0%	2,821	46,892	1662.1%	125.6%		0.4840
	2037	4,656	83,387	1790.9%	218.0%	2,167	38,810	1790.9%	127.2%		0.4654
	2038	3,697	71,340	1929.6%	221.5%	1,655	31,926	1929.6%	128.5%		0.447
	2039	2,920	60,457	2070.3%	224.5%	1,257	26,016	2070.3%	129.5%		0.4303
	2040	2,298	50,476	2196.4%	227.0%	951	20,885	2196.4%	130.4%		0.4138
	2041	1,805	41,545	2302.1%	229.1%	718	16,529	2302.1%	131.1%		0.397
	2042	1,415	33,901	2396.0%	230.7%	541	12,969	2396.0%	131.6%		0.382
	2043	1,110	27,513	2479.4%	232.1%	408	10,120	2479.4%	132.0%		0.367
	2044	873	22,252	2549.9%	233.2%	309	7,870 6 107	2549.9%	132.3%		0.353
	2045	689	17,958	2604.9%	234.1%	234	6,107	2604.9%	132.6%		0.340
	2046	547	14,405	2633.4%	234.9%	179	4,711	2633.4%	132.8%		0.327
	2047	436 347	11,453	2629.8% 2508.0%	235.4% 235.9%	137	3,601	2629.8% 2598.0%	132.9% 133.0%	4.0%	0.314
	2048	347	9,024	2598.0% 2563.8%	235.9%	105	2,728	2598.0%	133.0%		0.302
	2049	276	7,077 5,539	2563.8% 2540.0%	236.2% 236.5%	80	2,057	2563.8% 2540.0%	133.1%		0.290
	2050 2051	218 170	5,538 4,346	2540.0% 2556.9%	236.5% 236.7%	61	1,548	2540.0% 2556.9%	133.2%		0.279
	2051	130	4,346 3,433	2556.9% 2631.7%	236.7% 236.9%	46 34	1,168 887	2556.9% 2631.7%	133.2% 133.3%		0.268 0.258
		98				34 24	887 675				
	2053 2054	98 73	2,714 2,131	2760.1% 2937.3%	237.0% 237.1%	17	509	2760.1% 2937.3%	133.3% 133.3%	4.0% 4.0%	0.248 0.238
			2,131 1,657								
	2055 2056	52 37	1,657 1,273	3174.6% 3476.1%	237.2% 237.3%	12	381 281	3174.6% 3476.1%	133.3% 133.3%		0.229 0.220
	2056	37 25	1,273 966	3476.1% 3865.5%	237.3% 237.3%	8 5	205	3476.1% 3865.5%	133.3%	4.0% 4.0%	0.220 0.212
	2001	20	900	3003.3%	231.3%	ა	200	3003.5%	133.3%	4.070	0.212
	Past	1,163,755	348,285	29.9%	0.0%	1,797,199	367,298	20.4%	0.0%		
	1 431						2,720,925	524.5%	0.0%		
	Future	658,899	3,977,469	603.7%	0.0%	518,760	2.770.925	2/4 2%	() (1%)		

Attachment 4 Brighthouse Life Insurance Company Pennsylvania Written Premium and Paid Claim Experience Projections with 21.6% Increase LTC4 Tax-Qualified Nursing Facility Only Policy Form

					Loss Ratio De	emonstration				Interest Ra	
	0-1	VA / 211	Without Ir		A	10/200	With Int		A	Calendar Year	Mid-Year
	Calendar Year	Written Premium	Paid Claims	Loss Ratio	Accumulated Loss Ratio	Written Premium	Paid Claims	Loss Ratio	Accumulated Loss Ratio	Effective Int Rate	Disc / Accu Factor
	1998	2,929	0	0.0%	0.0%	6,811	0	0.0%			
Historical	1999	35,714	0	0.0%	0.0%	79,476	0	0.0%			2.2
Experience	2000	61,550	0	0.0%	0.0%	131,073	0	0.0%			2.1
	2001	70,934	0	0.0%	0.0%	144,553	0	0.0%		4.4%	2.0
	2002	67,811	0	0.0%	0.0%	132,237	0	0.0%	0.0%		1.9
	2003	66,177	0	0.0%	0.0%	123,493	0	0.0%			1.8
	2003	66,339	0	0.0%	0.0%	118,465	0	0.0%	0.0%	4.4%	1.7
			_								1.7
	2005	71,522	0	0.0%	0.0%	122,221	0	0.0%			
	2006	66,419	0	0.0%	0.0%	108,612	0	0.0%	0.0%	4.4%	1.
	2007	65,102	0	0.0%	0.0%	101,875	0	0.0%	0.0%		1.
	2008	64,190	0	0.0%	0.0%	96,122	0	0.0%	0.0%		1.
	2009	56,331	0	0.0%	0.0%	80,721	0	0.0%	0.0%		1.
	2010	52,879	0	0.0%	0.0%	72,511	0	0.0%			1.
	2011	56,974	0	0.0%	0.0%	74,763	0	0.0%	0.0%	4.3%	1.
	2012	57,247	0	0.0%	0.0%	71,886	0	0.0%	0.0%	4.2%	1.
	2013	55,673	0	0.0%	0.0%	66,899	0	0.0%	0.0%	4.2%	1.
	2014	55,047	0	0.0%	0.0%	63,298	0	0.0%	0.0%	4.1%	1.
	2015	58,821	65,273	111.0%	6.3%	64,881	71,998	111.0%	4.3%	4.0%	1.
	2016	63,462	163,858	258.2%	20.9%	67,308	173,788	258.2%	14.2%	4.0%	1.
	2017	68,635	119,153	173.6%	29.9%	69,994	121,512	173.6%	20.4%		1.
	2018	70,634	125,016	177.0%	38.3%	69,263	122,589	177.0%		4.0%	0.
	2019	75,364	181,135	240.3%	50.0%	71,058	170,786	240.3%	34.1%		0.
Projected	2020	74,880	214,560	286.5%	62.8%	67,886	194,521	286.5%	42.6%		0.
Future	2021	68,842	207,086	300.8%	74.0%	60,012	180,524	300.8%	50.1%		0.
Experience	2022	62,811	217,752	346.7%	85.3%	52,649	182,521	346.7%	57.5%		0.
Lxperience	2023	56,848	222,092	390.7%	96.4%	45,818	178,998	390.7%	64.6%		0.
	2024	51,037	226,203	443.2%	107.3%	39,552	175,300	443.2%	71.4%		0.
	2025	45,411	226,993	499.9%	117.9%	33,838	169,146	499.9%			0
	2026	40,054	224,449	560.4%	128.3%	28,699	160,818	560.4%			0.
	2027	35,017	218,578	624.2%	138.3%	24,125	150,588	624.2%			0.
	2028	30,328	209,630	691.2%	147.7%	20,091	138,868	691.2%			0.
	2029	26,023	198,376	762.3%	156.6%	16,576	126,359	762.3%			0.
	2030	22,119	185,354	838.0%	164.9%	13,547	113,523	838.0%	103.9%	4.0%	0.
	2031	18,627	170,807	917.0%	172.5%	10,969	100,590	917.0%	107.7%	4.0%	0.
	2032	15,536	155,502	1000.9%	179.4%	8,798	88,054	1000.9%	111.0%	4.0%	0
	2033	12,836	139,863	1089.6%	185.6%	6,989	76,153	1089.6%	113.9%	4.0%	0.
	2034	10,512	124,318	1182.6%	191.2%	5,503	65,085	1182.6%	116.4%	4.0%	0.
	2035	8,532	109,293	1281.0%	196.1%	4,295	55,018	1281.0%	118.5%	4.0%	0.
	2036	6,865	94,955	1383.1%	200.4%	3,323	45,962	1383.1%			0.
	2037	5,484	81,723	1490.1%	204.2%	2,553	38,036	1490.1%			0.
	2038	4,355	69,907	1605.3%	207.4%	1,949	31,285	1605.3%	123.0%		0.
	2039	3,440	59,236	1722.1%	210.1%	1,480	25,490	1722.1%			0.
	2039	2,707	49,451	1826.9%	212.4%	1,120	20,461	1826.9%			0.
	2040			1914.7%	212.4% 214.3%	846		1914.7%			0.
		2,126 1,667	40,700				16,192				
	2042	1,667	33,210	1992.8%	215.8%	638	12,704	1992.8%			0
	2043	1,307	26,951	2062.1%	217.1%	481	9,914	2062.1%			0
	2044	1,028	21,798	2120.7%	218.1%	364	7,710	2120.7%			0
	2045	812	17,591	2166.5%	218.9%	276	5,983	2166.5%			0
	2046	644	14,112	2190.3%	219.6%	211	4,615	2190.3%			0.
	2047	513	11,221	2187.4%	220.1%	161	3,528	2187.4%			0
	2048	409	8,842	2161.2%	220.5%	124	2,673	2161.2%			0
	2049	325	6,935	2133.0%	220.8%	95	2,016	2133.0%	127.3%	4.0%	0
	2050	257	5,427	2113.5%	221.1%	72	1,517	2113.5%	127.4%	4.0%	0
	2051	200	4,260	2127.8%	221.3%	54	1,145	2127.8%	127.4%	4.0%	0
	2052	154	3,366	2190.3%	221.4%	40	870	2190.3%		4.0%	0
	2053	116	2,661	2297.4%	221.6%	29	661	2297.4%			0
	2054	85	2,090	2445.1%	221.7%	20	499	2445.1%			0
	2055	61	1,625	2642.9%	221.7%	14	373	2642.9%	127.5%		0.
	2056		1,249	2894.1%	221.7% 221.8%	10	276	2894.1%	127.5%		0.
		43									
	2057	29	947	3218.5%	221.9%	6	201	3218.5%	127.5%	4.0%	0
	Dest	4 400 ===	0.40.005	00.001	0.001	4 707 100	007.000	00 101	0.001		
	Past	1,163,755	348,285	29.9%	0.0%	1,797,199	367,298	20.4%			
	Future	758,039	3,915,263	516.5%	0.0%	593,530	2,681,553	451.8%	0.0%		
	Lifetime	1,921,795	4,263,548	221.9%	0.0%	2,390,729	3,048,851	127.5%	0.0%		

Attachment 5 Brighthouse Life Insurance Company Reserve Balance at 12/31/2017 LTC4 Tax-Qualified Nursing Facility Only Policy Form

Nationwide Pennsylvania Claim Year-End Active Claim Year-End Active Incurred Reserve⁽¹⁾ Reserve⁽¹⁾ Year Life Reserve Life Reserve 76,023 281,650 49,486 41,221 743,339 130,306 4,727 1,147,001 44,456 1,356,712 9,575,616 1,119,875

⁽¹⁾ Claim reserve is the sum of disabled life reserve and incurred but not reported reserve. Each of these items are discounted to incurral using 4.5%.

Attachment 6 Brighthouse Life Insurance Company Nationwide Actual Experience Projections by Duration, with No Increase With No Interest LTC4 Tax-Qualified Nursing Facility Only Policy Form

Policy	Earned	Incurred	IC/EP
Duration	Premium	Claims	Loss Ratio
1	970,451	0	0.0%
2	910,092	85,747	9.4%
3	876,475	115,854	13.2%
4	837,941	98,388	11.7%
5	818,428	322,623	39.4%
6	850,011	536,965	63.2%
7	864,738	524,231	60.6%
8	835,455	0	0.0%
9	812,001	384,350	47.3%
10	776,300	986,842	127.1%
11	743,087	369,238	49.7%
12	733,699	1,101,113	150.1%
13	739,085	1,133,558	153.4%
14	727,606	1,271,191	174.7%
15	705,552	742,347	105.2%
16	706,243	2,115,934	299.6%
17	671,722	770,959	114.8%
18	687,929	2,278,501	331.2%
19	702,971	1,418,606	201.8%
20	678,443	1,652,852	243.6%
21	636,951	1,710,053	268.5%
22	581,815	1,750,937	300.9%
23	526,564	1,780,866	338.2%
24	473,849	1,800,414	380.0%
25	423,970	1,803,409	425.4%
26	377,186	1,788,807	474.3%
27	333,660	1,761,300	527.9%
28	293,437	1,719,200	585.9%
29	256,511	1,660,840	647.5%
30	222,871	1,588,761	712.9%
31	192,472	1,507,025	783.0%
32	165,216	1,417,664	858.1%
33	140,961	1,320,225	936.6%
34	119,528	1,216,289	1017.6%
35	100,727	1,107,825	1099.8%
36	84,337	1,001,745	1187.8%
37	70,155	898,918	1281.3%
38	57,988	801,973	1383.0%
39	47,637	708,873	1488.1%
40	38,904 31,500	618,918 535 541	1590.9% 1695.3%
41 42	31,590 25,500	535,541 460,854	1695.3%
42	25,500 20,458	460,854 394,743	1807.3% 1929.6%
44	16,309	335,802	2059.0%
45	12,917	284,804	2039.0%
46	10,163	239,780	2359.3%
47	7,942	200,611	2526.0%
48	6,163	167,186	2526.0% 2712.7%
49	4,749	137,374	2892.7%
50	3,634	111,737	3074.6%
51	2,766	91,421	3305.4%
52	2,700 2,095	74,039	3534.9%
53	1,580	58,796	3721.0%
54	1,187	46,103	3883.7%
55	888	35,951	4047.0%
56	661	27,760	4197.8%
57	488	21,382	4378.0%
58	357	16,424	4598.8%
59	258	12,202	4731.9%
60	183	8,833	4815.1%
Total	20,942,856	47,134,686	225.1%
	20,072,000	17,104,000	££0.1/0

Attachment 7 Brighthouse Life Insurance Company Pennsylvania Actual Experience Projections by Duration, with No Increase With No Interest LTC4 Tax-Qualified Nursing Facility Only Policy Form

Duration Premium Claims Loss Ratio 1 71,397 0 0.0% 2 69,972 0 0.0% 3 68,969 0 0.0% 5 66,5823 0 0.0% 6 66,774 0 0.0% 7 70,816 0 0.0% 8 67,901 0 0.0% 9 63,017 0 0.0% 10 54,758 0 0.0% 11 53,475 0 0.0% 12 54,333 0 0.0% 13 57,025 0 0.0% 14 57,444 0 0.0% 15 57,020 78,723 138,1% 16 57,617 418,578 726,5% 17 59,087 10,802 18,3% 18 64,539 50,694 78,5% 21 66,300 221,747 39,3% 22	Policy	Earned	Incurred	IC/EP
2 69,972 0 0,0% 3 68,969 0 0,0% 4 67,285 0 0 0,0% 5 65,823 0 0,0% 6 66,774 0 0,0% 8 67,901 0 0,0% 8 67,901 0 0,0% 9 63,017 0 0,0% 11 53,475 0 0,0% 11 53,475 0 0,0% 11 53,475 0 0,0% 11 53,475 0 0,0% 11 55,7025 0 0,0% 11 57,444 0 0,0% 15 57,020 78,723 138,1% 16 57,617 418,578 726,5% 17 59,087 10,802 18,3% 18 64,539 50,694 78,5% 19 69,311 139,036 200,6% 20 69,496 195,735 281,7% 21 66,300 207,455 312,9% 22 61,383 215,803 351,6% 23 56,290 221,747 393,9% 24 51,219 224,933 439,2% 24 51,219 224,933 439,2% 25 46,213 223,387 483,4% 26 41,340 219,460 530,9% 27 36,665 213,657 582,7% 28 32,224 203,654 632,0% 29 28,052 190,465 679,0% 31 20,668 160,383 776,0% 33 14,629 127,636 632,0% 34 12,114 111,724 922,3% 35 9,921 95,175 959,3% 36 8,039 80,641 1003,1% 37 6,447 68,767 1066,6% 38 5,120 57,451 1122,0% 44 11,46 15,182 1324,5% 40 3,148 37,393 1187,8% 41 2,448 29,975 1224,6% 42 1,899 23,813 125,803 43 1,474 19,069 1294,0% 44 1,146 15,182 1324,5% 49 362 4,537 1251,6% 50 292 3,5534 1211,6% 55 81 996 11,918,5% 56 59 685 1181,7% 56 59 685 1181,7% 56 59 685 1181,7% 57 41 477 1152,5% 58 28 322 1135,6% 59 19 211 1121,9% 60 12 134 1105,3%				
3 68,969 0 0.0% 5 65,823 0 0.0% 6 66,774 0 0.0% 7 70,816 0 0.0% 8 67,901 0 0.0% 9 63,017 0 0.0% 10 54,758 0 0.0% 11 53,475 0 0.0% 12 54,333 0 0.0% 13 57,025 0 0.0% 15 57,020 78,723 138.1% 16 57,617 418,578 726.5% 17 59,087 10,802 18.3% 18 64,539 50,694 78.5% 19 69,311 139,036 20.6% 20 69,496 195,735 312.9% 21 66,300 207,455 312.9% 22 61,383 215,803 351.6% 23 56,290 221,747 393.9%				
4 67,285 0 0.0% 5 65,823 0 0.0% 6 66,774 0 0.0% 7 70,816 0 0.0% 8 67,901 0 0.0% 9 63,017 0 0.0% 10 54,758 0 0.0% 11 53,475 0 0.0% 12 54,333 0 0.0% 13 57,025 0 0.0% 14 57,444 0 0.0% 15 57,020 78,723 138.1% 16 57,617 418,578 726.5% 17 59,087 10,802 18.3% 18 64,539 50,694 78.5% 19 69,311 139,036 200.69 486 20 69,496 195,735 281.7% 21 66,300 207,455 312.9% 24 51,219 224,333 331.66		· ·		
5 65,823 0 0.0% 6 66,774 0 0.0% 7 70,816 0 0.0% 8 67,901 0 0.0% 9 63,017 0 0.0% 11 54,758 0 0.0% 11 53,475 0 0.0% 12 54,333 0 0.0% 13 57,025 0 0.0% 14 57,444 0 0.0% 15 57,020 78,723 138.1% 16 57,617 418,578 726,5% 17 59,087 10,802 18.3% 18 64,539 50,694 78.5% 19 69,311 139,036 20.6% 20 69,496 195,735 281.7% 21 66,300 207,455 312.9% 22 61,383 215,803 351.6% 23 56,290 221,747 393.94 <tr< td=""><td></td><td>,</td><td></td><td></td></tr<>		,		
6 6 66,774 0 0,0% 7 70,816 0 0,0% 8 67,901 0 0,0% 9 63,017 0 0,0% 10 54,758 0 0,0% 11 53,475 0 0 0,0% 12 54,333 0 0,0% 13 57,025 0 0,0% 14 57,444 0 0,0% 15 57,020 78,723 138,1% 16 57,617 418,578 726,5% 17 59,087 10,802 18,3% 18 64,559 50,694 78,5% 19 69,311 139,036 200,6% 20 69,496 195,735 281,7% 21 66,300 207,455 312,9% 22 61,383 215,803 351,6% 23 56,290 221,747 393,9% 24 51,219 224,933 351,6% 25 46,213 223,387 483,4% 26 41,340 219,460 530,9% 27 36,665 213,657 582,7% 28 32,224 203,654 632,0% 29 28,052 190,465 679,0% 30 24,193 175,675 726,1% 31 20,668 160,383 776,0% 33 14,629 127,636 872,5% 34 12,114 111,724 322,3% 35 9,921 95,175 959,3% 36 8,039 80,641 1003,1% 37 6,447 68,767 106,66% 38 5,120 57,451 1122,0% 40 3,148 37,393 1187,8% 41 2,448 29,975 1224,6% 42 1,899 23,813 1253,9% 44 1,146 15,182 132,45% 45 896 11,918 1329,4% 46 707 9,517 1346,4% 47 562 7,542 134,174 54 109 1,309 120,486 55 81 996 1181,7% 56 59 685 1181,7% 56 59 685 1181,7% 56 59 685 1181,7% 56 59 685 1181,7% 57 41 477 1152,5% 58 28 322 1135,6%		·		
7 70,816 0 0.0% 8 67,901 0 0.0% 9 63,017 0 0.0% 10 54,758 0 0.0% 11 53,475 0 0.0% 12 54,333 0 0.0% 13 57,025 0 0.0% 14 57,444 0 0.0% 15 57,020 78,723 138.1% 16 57,617 418,578 726,5% 17 59,087 10,802 18.3% 18 64,539 50,694 78.5% 19 69,311 139,036 200,694 78.5% 21 66,300 207,455 312.9% 21 66,300 207,455 312.9% 22 61,333 215,803 351.6% 23 56,290 221,747 393.9% 24 51,219 224,933 49.2% 25 46,213 223,387				
8 67,901 0 0.0% 9 63,017 0 0.0% 11 54,758 0 0.0% 11 53,475 0 0.0% 12 54,333 0 0.0% 13 57,025 0 0.0% 14 57,444 0 0.0% 15 57,020 78,723 138,1% 16 57,617 418,578 726,5% 17 59,087 10,802 18,3% 18 64,539 50,694 78,5% 19 69,311 139,036 200,694 20 69,496 195,735 281,7% 21 66,300 207,455 312,9% 21 66,300 207,455 312,9% 22 61,383 2215,803 351,6% 23 56,290 221,747 393,9% 24 51,219 224,933 439,22% 25 46,213 223,387 <t< td=""><td></td><td></td><td></td><td></td></t<>				
9 63,017 0 0.0% 10 54,758 0 0.0% 11 53,475 0 0.0% 11 53,475 0 0.0% 12 54,333 0 0.0% 13 57,025 0 0.0% 14 57,444 0 0.0% 15 57,020 78,723 138.1% 16 57,617 418,578 726,5% 17 59,087 10,802 18.3% 18 64,539 50,694 78,5% 19 69,311 139,036 200,6% 20 69,496 195,735 281,7% 21 66,300 207,455 312,9% 22 61,383 215,803 351,6% 23 56,290 221,747 393,9% 24 51,219 224,933 439,2% 25 46,213 223,387 483,4% 26 41,340 219,460 530,9% 27 36,665 213,657 582,7% 28 32,224 203,654 632,0% 29 28,052 190,465 679,0% 30 24,193 175,675 726,1% 31 20,668 160,383 776,0% 32 17,479 144,150 824,7% 33 14,629 127,636 872,5% 34 12,114 111,724 922,3% 35 9,921 95,175 959,3% 36 8,039 80,641 1003,1% 37 6,447 68,767 1066,6% 38 5,120 57,451 1122,0% 40 3,148 37,393 1187,8% 41 2,448 29,975 1224,6% 45 896 11,918 1329,4% 46 707 9,517 1346,4% 47 562 7,542 1341,7% 48 450 5,858 1300,9% 49 362 4,537 1251,6% 50 292 3,534 1211,6% 55 81 956 1186,3% 57 41 477 1152,5% 58 28 322 113,56% 59 19 211 121,9% 60 12 134 1105,3%				
10 54,758 0 0.0% 11 53,475 0 0.0% 12 54,333 0 0.0% 13 57,025 0 0.0% 14 57,444 0 0.0% 15 57,020 78,723 138.1% 16 57,617 418,578 726,5% 17 59,087 10,802 18.3% 18 64,539 50,694 78.5% 19 69,311 139,036 200.6% 20 69,496 195,735 281.7% 21 66,300 207,455 312.9% 21 66,300 207,455 312.9% 22 61,383 215,803 351.6% 22 61,383 215,803 351.6% 23 56,290 221,747 393.9% 24 51,219 224,933 439.2% 25 46,213 223,387 483.4% 26 41,340 219,460<		· ·		
11 53,475 0 0.0% 12 54,333 0 0.0% 13 57,025 0 0.0% 14 57,444 0 0.0% 15 57,020 78,723 138,1% 16 57,617 418,578 726,5% 17 59,087 10,802 18,3% 18 64,539 50,694 78,5% 19 69,311 139,036 200,6% 20 69,496 195,735 281,7% 21 66,300 207,455 312,9% 22 61,383 215,803 351,6% 23 56,290 221,747 393,9% 24 51,219 224,933 439,2% 25 46,213 223,387 483,4% 26 41,340 219,460 530,9% 27 36,665 213,657 582,7% 28 32,224 203,654 632,0% 29 28,052		,		
12 54,333 0 0.0% 13 57,025 0 0.0% 14 57,444 0 0.0% 15 57,020 78,723 138.1% 16 57,617 418,578 726,5% 17 59,087 10,802 18.3% 18 64,539 50,694 78,5% 19 69,311 139,036 200.6% 20 69,496 195,735 281,7% 21 66,300 207,455 312,9% 22 61,383 215,803 351,6% 23 56,290 221,747 393,9% 24 51,219 224,933 439,2% 25 46,213 223,387 483,4% 26 41,340 219,460 530,9% 27 36,665 213,657 582,7% 28 32,224 203,654 632,0% 29 28,052 190,465 679,0% 30 24,193				
13 57,025 0 0.0% 14 57,444 0 0.0% 15 57,020 78,723 138.1% 16 57,617 418,578 726,5% 17 59,087 10,802 18.3% 18 64,539 50,694 78.5% 19 69,311 139,036 200.6% 20 69,496 195,735 281.7% 21 66,300 207,455 312.9% 21 66,300 207,455 312.9% 22 61,383 215,803 351.6% 23 56,290 221,747 393.9% 24 51,219 224,933 439.2% 24 51,219 224,933 439.2% 25 46,213 223,387 483.4% 26 41,340 219,460 530.9% 27 36,665 213,657 582.7% 28 32,224 203,654 632.0% 29 28,052 </td <td></td> <td></td> <td></td> <td></td>				
14 57,444 0 0.0% 15 57,020 78,723 138.1% 16 57,617 418,578 726,5% 17 59,087 10,802 18.3% 18 64,539 50,694 78.5% 19 69,311 139,036 200.6% 20 69,496 195,735 281.7% 21 66,300 207,455 312.9% 22 61,383 215,803 351.6% 23 56,290 221,747 393.9% 24 51,219 224,933 439.2% 25 46,213 223,387 483.4% 26 41,340 219,460 530.9% 27 36,665 213,657 582.7% 28 32,224 203,654 632.0% 29 28,052 190,465 679.0% 30 24,193 175,675 726.1% 31 20,668 160,383 776.0% 32				
15 57,020 78,723 138.1% 16 57,617 418,578 726.5% 17 59,087 10,802 18.3% 18 64,539 50,694 78.5% 19 69,311 139,036 200.6% 20 69,496 195,735 281.7% 21 66,300 207,455 312.9% 22 61,383 215,803 351.6% 23 56,290 221,747 393.9% 24 51,219 224,933 439.2% 25 46,213 223,387 483.4% 26 41,340 219,460 530.9% 27 36,665 213,657 582.7% 28 32,224 203,654 632.0% 29 28,052 190,465 679.0% 30 24,193 175,675 726.1% 31 20,668 160,383 776.0% 32 17,479 144,150 824.7% 33		· ·		
16 57,617 418,578 726.5% 17 59,087 10,802 18.3% 18 64,539 50,694 78.5% 19 69,311 139,036 200.6% 20 69,496 195,735 281.7% 21 66,300 207,455 312.9% 22 61,383 215,803 351.6% 23 56,290 221,747 393.9% 24 51,219 224,933 439.2% 25 46,213 223,387 483.4% 26 41,340 219,460 530.9% 27 36,665 213,657 582.7% 28 32,224 203,654 632.0% 29 28,052 190,465 679.0% 30 24,193 175,675 726.1% 31 20,668 160,383 776.0% 32 17,479 144,150 824.7% 33 14,629 127,636 872.5% 34			-	
17 59,087 10,802 18.3% 18 64,539 50,694 78.5% 19 69,311 139,036 200.6% 20 69,496 195,735 281.7% 21 66,300 207,455 312.9% 21 66,300 207,455 312.9% 22 61,383 215,803 351.6% 23 56,290 221,747 393.9% 24 51,219 224,933 439.2% 25 46,213 223,387 483.4% 26 41,340 219,460 530.9% 27 36,665 213,657 582.7% 28 32,224 203,654 632.0% 29 28,052 190,465 679.0% 30 24,193 175,675 726.1% 31 20,668 160,383 776.0% 32 17,479 144,150 824.7% 33 14,629 127,636 872.5% 34			· ·	
18 64,539 50,694 78.5% 19 69,311 139,036 200.6% 20 69,496 195,735 281.7% 21 66,300 207,455 312.9% 22 61,383 215,803 351.6% 23 56,290 221,747 393.9% 24 51,219 224,933 439.2% 25 46,213 223,387 483.4% 26 41,340 219,460 530.9% 27 36,665 213,657 582.7% 28 32,224 203,654 632.0% 29 28,052 190,465 679.0% 30 24,193 175,675 726.1% 31 20,668 160,383 776.0% 32 17,479 144,150 824.7% 33 14,629 127,636 872.5% 34 12,114 111,724 922.3% 35 9,921 95,175 959.3% 36			·	
19 69,311 139,036 200.6% 20 69,496 195,735 281.7% 21 66,300 207,455 312.9% 22 61,383 215,803 351.6% 23 56,290 221,747 393.9% 24 51,219 224,933 439.2% 25 46,213 223,387 483.4% 26 41,340 219,460 530.9% 27 36,665 213,657 582.7% 28 32,224 203,654 632.0% 29 28,052 190,465 679.0% 30 24,193 175,675 726.1% 31 20,668 160,383 776.0% 32 17,479 144,150 824.7% 33 14,629 127,636 872.5% 34 12,114 111,724 922.3% 35 9,921 95,175 959.3% 36 8,039 80,641 1003.1% 37				
20 69,496 195,735 281.7% 21 66,300 207,455 312.9% 22 61,383 215,803 351.6% 23 56,290 221,747 393.9% 24 51,219 224,933 439.2% 25 46,213 223,387 483.4% 26 41,340 219,460 530.9% 27 36,665 213,657 582.7% 28 32,224 203,654 632.0% 29 28,052 190,465 679.0% 30 24,193 175,675 726.1% 31 20,668 160,383 776.0% 32 17,479 144,150 824.7% 33 14,629 127,636 872.5% 34 12,114 111,724 922.3% 35 9,921 95,175 959.3% 36 8,039 80,641 1003.1% 37 6,447 68,767 1066.6% 38			·	
21 66,300 207,455 312.9% 22 61,383 215,803 351.6% 23 56,290 221,747 393.9% 24 51,219 224,933 439.2% 25 46,213 223,387 483.4% 26 41,340 219,460 530.9% 27 36,665 213,657 582.7% 28 32,224 203,654 632.0% 29 28,052 190,465 679.0% 30 24,193 175,675 726.1% 31 20,668 160,383 776.0% 32 17,479 144,150 824.7% 33 14,629 127,636 872.5% 34 12,114 111,724 922.3% 35 9,921 95,175 959.3% 36 8,039 80,641 1003.1% 37 6,447 68,767 1066.6% 38 5,120 57,451 1122.0% 39				
22 61,383 215,803 351.6% 23 56,290 221,747 393.9% 24 51,219 224,933 439.2% 25 46,213 223,387 483.4% 26 41,340 219,460 530.9% 27 36,665 213,657 582.7% 28 32,224 203,654 632.0% 29 28,052 190,465 679.0% 30 24,193 175,675 726.1% 31 20,668 160,383 776.0% 32 17,479 144,150 824.7% 33 14,629 127,636 872.5% 34 12,114 111,724 922.3% 35 9,921 95,175 959.3% 36 8,039 80,641 1003.1% 40 3,148 37,393 1187.8% 41 2,448 29,975 1224.6% 42 1,899 23,813 1253.9% 43			•	
23 56,290 221,747 393.9% 24 51,219 224,933 439.2% 25 46,213 223,387 483.4% 26 41,340 219,460 530.9% 27 36,665 213,657 582.7% 28 32,224 203,654 632.0% 29 28,052 190,465 679.0% 30 24,193 175,675 726.1% 31 20,668 160,383 776.0% 32 17,479 144,150 824.7% 33 14,629 127,636 872.5% 34 12,114 111,724 922.3% 35 9,921 95,175 959.3% 36 8,039 80,641 1003.1% 37 6,447 68,767 1066.6% 38 5,120 57,451 1122.0% 40 3,148 37,393 1187.8% 41 2,448 29,975 1224.6% 42				
24 51,219 224,933 439.2% 25 46,213 223,387 483.4% 26 41,340 219,460 530.9% 27 36,665 213,657 582.7% 28 32,224 203,654 632.0% 29 28,052 190,465 679.0% 30 24,193 175,675 726.1% 31 20,668 160,383 776.0% 32 17,479 144,150 824.7% 33 14,629 127,636 872.5% 34 12,114 111,724 922.3% 36 8,039 80,641 1003.1% 37 6,447 68,767 1066.6% 38 5,120 57,451 1122.0% 39 4,029 46,534 1154.9% 40 3,148 37,393 1187.8% 41 2,448 29,975 1224.6% 42 1,899 23,813 1253.9% 43			•	
25 46,213 223,387 483.4% 26 41,340 219,460 530.9% 27 36,665 213,657 582.7% 28 32,224 203,654 632.0% 29 28,052 190,465 679.0% 30 24,193 175,675 726.1% 31 20,668 160,383 776.0% 32 17,479 144,150 824.7% 33 14,629 127,636 872.5% 34 12,114 111,724 922.3% 35 9,921 95,175 959.3% 36 8,039 80,641 1003.1% 37 6,447 68,767 1066.6% 38 5,120 57,451 1122.0% 39 4,029 46,534 1154.9% 40 3,148 37,393 1187.8% 41 2,448 29,975 1224.6% 42 1,899 23,813 1253.9% 43			· ·	
26 41,340 219,460 530.9% 27 36,665 213,657 582.7% 28 32,224 203,654 632.0% 29 28,052 190,465 679.0% 30 24,193 175,675 726.1% 31 20,668 160,383 776.0% 32 17,479 144,150 824.7% 33 14,629 127,636 872.5% 34 12,114 111,724 922.3% 35 9,921 95,175 959.3% 36 8,039 80,641 1003.1% 37 6,447 68,767 1066.6% 38 5,120 57,451 1122.0% 39 4,029 46,534 1154.9% 40 3,148 37,393 1187.8% 41 2,448 29,975 1224.6% 42 1,899 23,813 1253.9% 43 1,474 19,069 1294.0% 46 <				
27 36,665 213,657 582.7% 28 32,224 203,654 632.0% 29 28,052 190,465 679.0% 30 24,193 175,675 726.1% 31 20,668 160,383 776.0% 32 17,479 144,150 824.7% 33 14,629 127,636 872.5% 34 12,114 111,724 922.3% 35 9,921 95,175 959.3% 36 8,039 80,641 1003.1% 37 6,447 68,767 1066.6% 38 5,120 57,451 1122.0% 39 4,029 46,534 1154.9% 40 3,148 37,393 1187.8% 41 2,448 29,975 1224.6% 42 1,899 23,813 1253.9% 43 1,474 19,069 1294.0% 44 1,146 15,182 1324.5% 45 <t< td=""><td></td><td></td><td>·</td><td></td></t<>			·	
28 32,224 203,654 632.0% 29 28,052 190,465 679.0% 30 24,193 175,675 726.1% 31 20,668 160,383 776.0% 32 17,479 144,150 824.7% 33 14,629 127,636 872.5% 34 12,114 111,724 922.3% 35 9,921 95,175 959.3% 36 8,039 80,641 1003.1% 37 6,447 68,767 1066.6% 38 5,120 57,451 1122.0% 39 4,029 46,534 1154.9% 40 3,148 37,393 1187.8% 41 2,448 29,975 1224.6% 42 1,899 23,813 1253.9% 43 1,474 19,069 1294.0% 45 896 11,918 1329.4% 46 707 9,517 1346.4% 47 562<			·	
29 26,052 190,465 679.0% 30 24,193 175,675 726.1% 31 20,668 160,383 776.0% 32 17,479 144,150 824.7% 33 14,629 127,636 872.5% 34 12,114 111,724 922.3% 35 9,921 95,175 959.3% 36 8,039 80,641 1003.1% 37 6,447 68,767 1066.6% 38 5,120 57,451 1122.0% 39 4,029 46,534 1154.9% 40 3,148 37,393 1187.8% 41 2,448 29,975 1224.6% 42 1,899 23,813 1253.9% 43 1,474 19,069 1294.0% 44 1,146 15,182 1324.5% 45 896 11,918 1329.4% 46 707 9,517 1346.4% 47 562 </td <td></td> <td></td> <td></td> <td></td>				
30 24,193 175,675 726.1% 31 20,668 160,383 776.0% 32 17,479 144,150 824.7% 33 14,629 127,636 872.5% 34 12,114 111,724 922.3% 35 9,921 95,175 959.3% 36 8,039 80,641 1003.1% 37 6,447 68,767 1066.6% 38 5,120 57,451 1122.0% 39 4,029 46,534 1154.9% 40 3,148 37,393 1187.8% 41 2,448 29,975 1224.6% 42 1,899 23,813 1253.9% 43 1,474 19,069 1294.0% 44 1,146 15,182 1324.5% 45 896 11,918 1329.4% 46 707 9,517 1346.4% 47 562 7,542 1341.7% 48 450		·	·	
31 20,668 160,383 776.0% 32 17,479 144,150 824.7% 33 14,629 127,636 872.5% 34 12,114 111,724 922.3% 35 9,921 95,175 959.3% 36 8,039 80,641 1003.1% 37 6,447 68,767 1066.6% 38 5,120 57,451 1122.0% 39 4,029 46,534 1154.9% 40 3,148 37,393 1187.8% 41 2,448 29,975 1224.6% 42 1,899 23,813 1253.9% 43 1,474 19,069 1294.0% 44 1,146 15,182 1324.5% 45 896 11,918 1329.4% 46 707 9,517 1346.4% 47 562 7,542 1341.7% 48 450 5,858 1300.9% 49 362			·	
32 17,479 144,150 824.7% 33 14,629 127,636 872.5% 34 12,114 111,724 922.3% 35 9,921 95,175 959.3% 36 8,039 80,641 1003.1% 37 6,447 68,767 1066.6% 38 5,120 57,451 1122.0% 39 4,029 46,534 1154.9% 40 3,148 37,393 1187.8% 41 2,448 29,975 1224.6% 42 1,899 23,813 1253.9% 43 1,474 19,069 1294.0% 44 1,146 15,182 1324.5% 45 896 11,918 1329.4% 46 707 9,517 1346.4% 47 562 7,542 1341.7% 48 450 5,858 1300.9% 49 362 4,537 1251.6% 50 292 3,534 1211.6% 54 109 1,309 1204.8%			·	
33 14,629 127,636 872.5% 34 12,114 111,724 922.3% 35 9,921 95,175 959.3% 36 8,039 80,641 1003.1% 37 6,447 68,767 1066.6% 38 5,120 57,451 1122.0% 39 4,029 46,534 1154.9% 40 3,148 37,393 1187.8% 41 2,448 29,975 1224.6% 42 1,899 23,813 1253.9% 43 1,474 19,069 1294.0% 44 1,146 15,182 1324.5% 45 896 11,918 1329.4% 46 707 9,517 1346.4% 47 562 7,542 1341.7% 48 450 5,858 1300.9% 49 362 4,537 1251.6% 50 292 3,534 1211.6% 51 233 2,766 1186.0% 54 109 1,309 1204.8% </td <td></td> <td></td> <td></td> <td></td>				
34 12,114 111,724 922.3% 35 9,921 95,175 959.3% 36 8,039 80,641 1003.1% 37 6,447 68,767 1066.6% 38 5,120 57,451 1122.0% 39 4,029 46,534 1154.9% 40 3,148 37,393 1187.8% 41 2,448 29,975 1224.6% 42 1,899 23,813 1253.9% 43 1,474 19,069 1294.0% 44 1,146 15,182 1324.5% 45 896 11,918 1329.4% 46 707 9,517 1346.4% 47 562 7,542 1341.7% 48 450 5,858 1300.9% 49 362 4,537 1251.6% 50 292 3,534 1211.6% 51 233 2,766 1186.0% 52 184 2,19				
35 9,921 95,175 959.3% 36 8,039 80,641 1003.1% 37 6,447 68,767 1066.6% 38 5,120 57,451 1122.0% 39 4,029 46,534 1154.9% 40 3,148 37,393 1187.8% 41 2,448 29,975 1224.6% 42 1,899 23,813 1253.9% 43 1,474 19,069 1294.0% 44 1,146 15,182 1324.5% 45 896 11,918 1329.4% 46 707 9,517 1346.4% 47 562 7,542 1341.7% 48 450 5,858 1300.9% 49 362 4,537 1251.6% 50 292 3,534 1211.6% 51 233 2,766 1186.0% 52 184 2,195 1194.5% 53 143 1,741 <td></td> <td></td> <td></td> <td></td>				
36 8,039 80,641 1003.1% 37 6,447 68,767 1066.6% 38 5,120 57,451 1122.0% 39 4,029 46,534 1154.9% 40 3,148 37,393 1187.8% 41 2,448 29,975 1224.6% 42 1,899 23,813 1253.9% 43 1,474 19,069 1294.0% 44 1,146 15,182 1324.5% 45 896 11,918 1329.4% 46 707 9,517 1346.4% 47 562 7,542 1341.7% 48 450 5,858 1300.9% 49 362 4,537 1251.6% 50 292 3,534 1211.6% 51 233 2,766 1186.0% 52 184 2,195 1194.5% 53 143 1,741 1219.9% 54 109 1,309 1204.8% 55 81 956 1181.7%				
37 6,447 68,767 1066.6% 38 5,120 57,451 1122.0% 39 4,029 46,534 1154.9% 40 3,148 37,393 1187.8% 41 2,448 29,975 1224.6% 42 1,899 23,813 1253.9% 43 1,474 19,069 1294.0% 44 1,146 15,182 1324.5% 45 896 11,918 1329.4% 46 707 9,517 1346.4% 47 562 7,542 1341.7% 48 450 5,858 1300.9% 49 362 4,537 1251.6% 50 292 3,534 1211.6% 51 233 2,766 1186.0% 52 184 2,195 1194.5% 53 143 1,741 1219.9% 54 109 1,309 1204.8% 55 81 956 1181.7% 56 59 685 1168.3%				
38 5,120 57,451 1122.0% 39 4,029 46,534 1154.9% 40 3,148 37,393 1187.8% 41 2,448 29,975 1224.6% 42 1,899 23,813 1253.9% 43 1,474 19,069 1294.0% 44 1,146 15,182 1324.5% 45 896 11,918 1329.4% 46 707 9,517 1346.4% 47 562 7,542 1341.7% 48 450 5,858 1300.9% 49 362 4,537 1251.6% 50 292 3,534 1211.6% 51 233 2,766 1186.0% 52 184 2,195 1194.5% 53 143 1,741 1219.9% 54 109 1,309 1204.8% 55 81 956 1181.7% 56 59 685 1168.3% 57 41 477 1152.5% 58				
39 4,029 46,534 1154.9% 40 3,148 37,393 1187.8% 41 2,448 29,975 1224.6% 42 1,899 23,813 1253.9% 43 1,474 19,069 1294.0% 44 1,146 15,182 1324.5% 45 896 11,918 1329.4% 46 707 9,517 1346.4% 47 562 7,542 1341.7% 48 450 5,858 1300.9% 49 362 4,537 1251.6% 50 292 3,534 1211.6% 51 233 2,766 1186.0% 52 184 2,195 1194.5% 53 143 1,741 1219.9% 54 109 1,309 1204.8% 55 81 956 1181.7% 56 59 685 1168.3% 57 41 477 1152.5% 58 28 322 1135.6% 59		·		
40 3,148 37,393 1187.8% 41 2,448 29,975 1224.6% 42 1,899 23,813 1253.9% 43 1,474 19,069 1294.0% 44 1,146 15,182 1324.5% 45 896 11,918 1329.4% 46 707 9,517 1346.4% 47 562 7,542 1341.7% 48 450 5,858 1300.9% 49 362 4,537 1251.6% 50 292 3,534 1211.6% 51 233 2,766 1186.0% 52 184 2,195 1194.5% 53 143 1,741 1219.9% 54 109 1,309 1204.8% 55 81 956 1181.7% 56 59 685 1168.3% 57 41 477 1152.5% 58 28 322 1135.6% 59 19 211 1121.9% 60			•	
41 2,448 29,975 1224.6% 42 1,899 23,813 1253.9% 43 1,474 19,069 1294.0% 44 1,146 15,182 1324.5% 45 896 11,918 1329.4% 46 707 9,517 1346.4% 47 562 7,542 1341.7% 48 450 5,858 1300.9% 49 362 4,537 1251.6% 50 292 3,534 1211.6% 51 233 2,766 1186.0% 52 184 2,195 1194.5% 53 143 1,741 1219.9% 54 109 1,309 1204.8% 55 81 956 1181.7% 56 59 685 1168.3% 57 41 477 1152.5% 58 28 322 1135.6% 59 19 211 1121.9% 60 12 134 1105.3%				
42 1,899 23,813 1253.9% 43 1,474 19,069 1294.0% 44 1,146 15,182 1324.5% 45 896 11,918 1329.4% 46 707 9,517 1346.4% 47 562 7,542 1341.7% 48 450 5,858 1300.9% 49 362 4,537 1251.6% 50 292 3,534 1211.6% 51 233 2,766 1186.0% 52 184 2,195 1194.5% 53 143 1,741 1219.9% 54 109 1,309 1204.8% 55 81 956 1181.7% 56 59 685 1168.3% 57 41 477 1152.5% 58 28 322 1135.6% 59 19 211 1121.9% 60 12 134 1105.3%		·		
43 1,474 19,069 1294.0% 44 1,146 15,182 1324.5% 45 896 11,918 1329.4% 46 707 9,517 1346.4% 47 562 7,542 1341.7% 48 450 5,858 1300.9% 49 362 4,537 1251.6% 50 292 3,534 1211.6% 51 233 2,766 1186.0% 52 184 2,195 1194.5% 53 143 1,741 1219.9% 54 109 1,309 1204.8% 55 81 956 1181.7% 56 59 685 1168.3% 57 41 477 1152.5% 58 28 322 1135.6% 59 19 211 1121.9% 60 12 134 1105.3%				
44 1,146 15,182 1324.5% 45 896 11,918 1329.4% 46 707 9,517 1346.4% 47 562 7,542 1341.7% 48 450 5,858 1300.9% 49 362 4,537 1251.6% 50 292 3,534 1211.6% 51 233 2,766 1186.0% 52 184 2,195 1194.5% 53 143 1,741 1219.9% 54 109 1,309 1204.8% 55 81 956 1181.7% 56 59 685 1168.3% 57 41 477 1152.5% 58 28 322 1135.6% 59 19 211 1121.9% 60 12 134 1105.3%				
45 896 11,918 1329.4% 46 707 9,517 1346.4% 47 562 7,542 1341.7% 48 450 5,858 1300.9% 49 362 4,537 1251.6% 50 292 3,534 1211.6% 51 233 2,766 1186.0% 52 184 2,195 1194.5% 53 143 1,741 1219.9% 54 109 1,309 1204.8% 55 81 956 1181.7% 56 59 685 1168.3% 57 41 477 1152.5% 58 28 322 1135.6% 59 19 211 1121.9% 60 12 134 1105.3%				
46 707 9,517 1346.4% 47 562 7,542 1341.7% 48 450 5,858 1300.9% 49 362 4,537 1251.6% 50 292 3,534 1211.6% 51 233 2,766 1186.0% 52 184 2,195 1194.5% 53 143 1,741 1219.9% 54 109 1,309 1204.8% 55 81 956 1181.7% 56 59 685 1168.3% 57 41 477 1152.5% 58 28 322 1135.6% 59 19 211 1121.9% 60 12 134 1105.3%				
47 562 7,542 1341.7% 48 450 5,858 1300.9% 49 362 4,537 1251.6% 50 292 3,534 1211.6% 51 233 2,766 1186.0% 52 184 2,195 1194.5% 53 143 1,741 1219.9% 54 109 1,309 1204.8% 55 81 956 1181.7% 56 59 685 1168.3% 57 41 477 1152.5% 58 28 322 1135.6% 59 19 211 1121.9% 60 12 134 1105.3%				
48 450 5,858 1300.9% 49 362 4,537 1251.6% 50 292 3,534 1211.6% 51 233 2,766 1186.0% 52 184 2,195 1194.5% 53 143 1,741 1219.9% 54 109 1,309 1204.8% 55 81 956 1181.7% 56 59 685 1168.3% 57 41 477 1152.5% 58 28 322 1135.6% 59 19 211 1121.9% 60 12 134 1105.3%				
49 362 4,537 1251.6% 50 292 3,534 1211.6% 51 233 2,766 1186.0% 52 184 2,195 1194.5% 53 143 1,741 1219.9% 54 109 1,309 1204.8% 55 81 956 1181.7% 56 59 685 1168.3% 57 41 477 1152.5% 58 28 322 1135.6% 59 19 211 1121.9% 60 12 134 1105.3%				
50 292 3,534 1211.6% 51 233 2,766 1186.0% 52 184 2,195 1194.5% 53 143 1,741 1219.9% 54 109 1,309 1204.8% 55 81 956 1181.7% 56 59 685 1168.3% 57 41 477 1152.5% 58 28 322 1135.6% 59 19 211 1121.9% 60 12 134 1105.3%				
51 233 2,766 1186.0% 52 184 2,195 1194.5% 53 143 1,741 1219.9% 54 109 1,309 1204.8% 55 81 956 1181.7% 56 59 685 1168.3% 57 41 477 1152.5% 58 28 322 1135.6% 59 19 211 1121.9% 60 12 134 1105.3%				
52 184 2,195 1194.5% 53 143 1,741 1219.9% 54 109 1,309 1204.8% 55 81 956 1181.7% 56 59 685 1168.3% 57 41 477 1152.5% 58 28 322 1135.6% 59 19 211 1121.9% 60 12 134 1105.3%				
53 143 1,741 1219.9% 54 109 1,309 1204.8% 55 81 956 1181.7% 56 59 685 1168.3% 57 41 477 1152.5% 58 28 322 1135.6% 59 19 211 1121.9% 60 12 134 1105.3%				
54 109 1,309 1204.8% 55 81 956 1181.7% 56 59 685 1168.3% 57 41 477 1152.5% 58 28 322 1135.6% 59 19 211 1121.9% 60 12 134 1105.3%				
55 81 956 1181.7% 56 59 685 1168.3% 57 41 477 1152.5% 58 28 322 1135.6% 59 19 211 1121.9% 60 12 134 1105.3%				
56 59 685 1168.3% 57 41 477 1152.5% 58 28 322 1135.6% 59 19 211 1121.9% 60 12 134 1105.3%				
57 41 477 1152.5% 58 28 322 1135.6% 59 19 211 1121.9% 60 12 134 1105.3%				
58 28 322 1135.6% 59 19 211 1121.9% 60 12 134 1105.3%				
59 19 211 1121.9% 60 12 134 1105.3%				
60 12 134 1105.3%				
				1105.3%
				222.8%

Brighthouse

FINANCIAL
Brighthouse Life Insurance Company
PO Box 40006
Lynchburg, VA 24506

February 26, 2019

Honorable Jessica Altman Insurance Commissioner Pennsylvania Department of Insurance (Department) 1326 Strawberry Square Harrisburg, Pennsylvania 17120

RE: Brighthouse Life Insurance Company

Company NAIC # 87726

SERFF Tracking # MILL-131719034

Dear Commissioner Altman:

This letter sets forth the conditions under which Milliman USA ("Milliman") is authorized to act on behalf of Brighthouse Life Insurance Company, which operates under the Brighthouse Financial brand, with respect to the individual long term care insurance rate filing referenced above (the "LTC Rate Filings") and outlines the relationship between Brighthouse Life Insurance Company and Genworth Life Insurance Company ("GLIC").

Please be advised that Milliman USA ("Milliman") has been retained by GLIC, as administrator, to provide actuarial support for the LTC Rate Filings. GLIC is the reinsurer and administrator of the Brighthouse Life Insurance Company long term care insurance policies ("Reinsured Policies"), which are the subject of the LTC Rate Filings, under and Indemnity Reinsurance Agreement and an Administrative Services Agreement, both dated July 1, 2000 (the "Agreements"). GLIC has since retroceded the Reinsured Policies to Union Fidelity Life Insurance Company, under a Retrocession Agreement dated April 15, 2004.

In connection with the retention of Milliman, and subject to the conditions in the next sentence, Brighthouse Life Insurance Company hereby authorizes Milliman to enter into written and oral communications, including the submission and receipt of written materials, with your Department, for the purpose of completing the rate filing process and responding to your review of this filing. This authorization is subject to Milliman's agreement to act in accordance with the applicable terms and conditions to which GLIC is subject under the Agreements.

Should you have any questions regarding this letter, please contact Meredith Ratajczak, Chief Actuary, at 11225 North Community House Road, Charlotte, NC 28277, or via email at meredith.ratajczak@brighthousefinancial.com, or by telephone at 980 949 4427.

Sincerely,

D. Burt Arrington

Vice President and Assistant Secretary Brighthouse Life Insurance Company



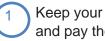
[company name short] [company addr 1] [company addr2] [company city, st zip]

IMPORTANT CHANGE - DECISION REQUIRED

[mailing name1] [mailing name2] [address line 1] faddress line 21 faddress line 31 [address line 4] [address line 5]

The premium on your long term care insurance policy is increasing.

You have [3] options:



Keep your current coverage the same and pay the premium increase



Adjust your coverage to reduce your premiums



<If nonfor available> {See Addendum for CNF, OLB & NFO text variations}

Dear [insured_name1],

Thank you for choosing Brighthouse Life Insurance Company for your long term care insurance needs. We value your business and are committed to providing quality service and being here when you need us the most.

This letter is to inform you that, as a result of higher than expected aggregate policyholder claims costs, the premium on your current long term care coverage will increase from [\$99,999.99] to [\$99,999.99] beginning on [Mmmm dd, yyyy]. [<if phased>This increase will take place in a phased manner detailed on the enclosed option page.] Please note that this increase is not due to a change in your health, age, or claims history.

Given this change, we are offering you several choices to adjust your coverage to meet your needs. These options and your personalized information are outlined on the enclosed pages. We encourage you to discuss them with your financial advisor or a member of our Customer Service Team by calling [999 999.9999] before making a decision.

Once again, thank you for being a Brighthouse Life Insurance Company policyholder.

Sincerely,

Your Customer Service Team

P.S. This premium increase notice is not a bill. [<if not EFT>-you will be billed separately.] Please take time to read the Important Information Regarding This Premium Increase included with this letter.

Underwritten by Brighthouse Life Insurance Company, Lynchburg, VA

NOTE: gray shading indicates print in blue font

Long Term Care Insurance

Premium Increase Notice [mm/dd/yyyy] [company name long] [Company Copyright]

Policyholder:

[Insured_name1]

Policy Number:

[policy_number]

Agent:

[servicing agent name] [servicing agency name] [servicing_agent_address1] [servicing agent address2] [servicing agent address3] [servicing_agent_address4] [servicing agent address5] [servicing_agent_phone]

Customer Service:

[999 999.9999]

[company_hours1] [company_hours2]

[Fax: [company_fax]

Addendum

For point #3 in top right:

[<if CNF > Pay nothing more and receive coverage equal to 30 times your Nursing Home Daily benefit or the total premiums you have paid excluding waived premium whichever is greater <or if OLB> Pay nothing more and receive coverage equal to premiums you have paid minus any benefits paid <or if NFO>The Non-Forfeiture rider, if exercised, results in a paid-up long term care insurance benefit according to your contract provisions]

Brighthouse

Coverage Options

Page [1] of [m]

[company name short] Customer service:
[company address 1] [company_phone]
[company city state zip] [company hours2]

[company hours1]
Fax: [company fax]

NOTE: gray shading indicates print in blue font

Policyholder: [insured name2]
Date: [mm/dd/yyyy]
Policy number: [policy number]
Premium before increase: [\$99,999.99] [mode]

•	Your options:	1 Keep current coverage			3 Pay nothing more			
	If you are adjusting your coverage, simply check the blue box beside your selection below, and sign and return this page to the fax or address above. If you choose to keep your current coverage, no action is required.	If you are comfortable with your current level of coverage, pay the increased premium [<not eft=""> when you receive your next bill]. If we don't hear from you by [Mmmmm dd, yyyy] this [999.999%] increase will take effect.</not>	red ler be be	you are comfortable ducing the total amongth of time benefits gin, and/or modifyin low allows you to mile keeping your produce your benefits	[See Addendum for nonforfeiture wording placed here.] If you select this option, you will receive a follow-up letter confirming the amount of your coverage.			
	[Daily maximum benefit]	[\$500.00]		[\$400.00]	[\$500.00]		[\$500.00]	
	[Benefit coverage period]	[Unlimited]		[6 years]	[6 years]		[4 years]	
	[Elimination period]	[100 days]		[100 days]	[100 days]		[100 days]	
٠	[Inflation protection]	[Compound 5%]		[Compound 5%]	[Compound 5%]		[Compound 3%]	
	[Mode] premium	[\$99,999.99]		[\$99,999.99]	[\$99,999.99]		[\$99,999.99]	Pay nothing more

<if CPI> These amounts do not reflect increases in your premium that may occur as a result of your acceptance of the Cost of Inflation benefit offers that you may receive. As a result, the premium amounts may vary based on benefit increases actually accepted. <if Phased> Your policies rate increase is phasing in over a number of years; the remaining dates are listed on the reverse. The amount of the phased guarterly rate increase will vary depending on your selection above.

You do not need to return this form if you are keeping your current coverage. If changing your coverage, please remember to check the blue box above to indicate your choice, then sign and return this form by: [Mmmmm dd, yyyy].

Policyholder Signature		Date	

By signing, you (1) authorize [company name] to make the requested changes to your Long Term Care Insurance policy; and (2) represent that you have read and understand the information

contained in this form and the enclosed letters, including the Important Information Regarding This Premium Increase.

Coverage Options

Page [2] of [m]

Policyholder:

Date: [insured_ name1]
Policy number: [mm/dd/yyyy]
Premium before [contract number]
increase: [\$99,999.99] [Mode]

Phased Premiums:

The amount of the phased [Mode] rate increase will vary depending on your selection on the first page.

Date of phased increase	Keep current coverage:	[Alternative [A]]	[Alternative B]	[Alternative C]
[mm/dd/yyyy]	[\$99,999.99]	[\$99,999.99]	[\$99,999.99]	[\$99,999.99]
[mm/dd/yyyy]	[\$99,999.99]	[\$99,999.99]	[\$99,999.99]	[\$99,999.99]
[mm/dd/yyyy]	[\$99,999.99]	[\$99,999.99]	[\$99,999.99]	[\$99,999.99]
 [mm/dd/yyyy]	 [\$99,999.99]	[\$99,999.99]	[\$99,999.99]	[\$99,999.99]
-				

Addendum:

Rules for printing nonforfeiture text in the "3 Pay nothing more" column:

[<if contingent nonforfeiture>If you would like to stop paying premiums on your contract you can elect the Contingent Nonforfeiture benefit. Your new coverage maximum will be either 30 times your Nursing Home Daily benefit or equal to the total premiums you have paid on your contract excluding waived premium whichever is greater.

[<if nonforfeiture Rider>If you would like to stop paying premiums on your contract you may exercise the non-forfeiture rider that you purchased with your contract.

[<if OLB> If you would like to stop paying premiums on your policy you can choose an optional limited benefit. Your new coverage maximum will be roughly equal to the total premiums you have paid on your policy, minus any benefits paid. Please refer to the enclosed endorsement for additional details regarding this benefit.



Important Information Regarding This Premium Increase

Page 1 of 2

About this premium increase

This premium increase is based on our expectation of aggregate future claims by our insureds. All policyholders in your class are receiving this rate increase and it is not due to a change in your individual health, age, claims history, or any other individual characteristic. States require insurance companies to notify them of a rate increase for long term care policys. Additionally, state regulation requires insurers to support rate increase requests with actuarial justification.

Guaranteed renewable

Your long term care insurance coverage is guaranteed renewable, meaning that we cannot cancel or refuse to continue your coverage because of a change in your individual health or age. As long as you pay the required premium on time and have not used all your benefits, coverage will continue.

Guaranteed renewable does not mean that premiums are guaranteed to remain the same indefinitely. In accordance with the terms of your policy, we reserve the right to change premiums and it is [possible or likely] that your premium will increase again in the future.

Benefits

The benefit values presented in the accompanying letter are approximate due to rounding. Covered benefits payable at the time of a claim will be calculated in accordance with your policy. Benefits are payable only when you meet the terms and conditions for receiving benefits under your policy.

Considerations related to reducing your benefits

All of the options available to you as alternatives to paying the full premium increase may not be of equal value. Some states require policyholders to maintain minimum benefit levels, which may reduce the options available.

If your daily/monthly benefit amount and/or the benefit period are reduced, the maximum benefits payable under your policy will automatically be reduced because the policy maximum is a function of the daily benefit amount and the benefit period. In addition, other benefit amounts may be reduced. Changes to the daily/monthly maximum benefit and/or benefit increase offer will change the related original amounts and the amount of any benefit increase option increment. If you elect to drop or reduce your benefit increase option (if applicable), you will keep your increased daily/monthly maximum benefit and your premium will be adjusted accordingly. You may also reduce your daily/monthly maximum benefit and your premium will be further adjusted.

Any benefits paid or payable are deducted from the reduced policy maximum. If you have previously been on claim, adjusting your elimination period may not be appropriate. Reducing benefits while you are receiving policy benefits is generally not advisable.

If you can't pay further premiums you may have the option of stopping further payments and obtaining a benefit for long term care services approximately equal to the amount of premium paid, please refer to the Coverage Options page for further details.

Select a Limited Benefit with No Further Premium Requirement

<if NFO Rider on Policy >

You may exercise the Non-Forfeiture Rider. Your policy includes the Non-Forfeiture Rider which you may elect to exercise at any time. This Rider allows you to have a paid-up long term care insurance benefit as described in the Rider.

Please note: This rider could significantly reduce the policy benefits. Please review the Non-Forfeiture Rider in your policy for more detailed information prior to making this election.

<0R>

<if CNF >

You may elect a Contingent Non-Forfeiture Benefit. This rate increase qualifies you to receive a Contingent Non-Forfeiture Benefit which is available up to 120 days after the next Billing Anniversary Date on which your rate increase is effective. This endorsement allows you to reduce your policy benefits so the required premium payments are not increased and convert your coverage to a paid-up status with a shortened benefit period and reduced benefits plan. A policy lapse at any time during the 120-day period following the due date of the increased premium will be deemed an election of this benefit.

Please note: This Endorsement could significantly reduce the policy benefit. Please review the Contingent Non-Forfeiture Benefit Endorsement for more detailed information prior to making this election.

<0R>

<if OLB>

You may elect an Optional Limited Benefit. As a result of this premium increase, we are offering an Optional Limited Benefit. This endorsement allows you to elect a limited paid-up long term care insurance benefit, which is available up to 120 days after the next Billing Anniversary Date on which your rate increase is effective. This benefit provides a paid-up benefit with total coverage equal to the total premium paid, excluding waived premium, less any claims paid. A policy lapse at any time during the 120-day period following the due date of the increased premium will be deemed an election of this benefit.

Please note: This Endorsement could significantly reduce the policy benefits. Please review the Optional Limited Benefit Endorsement for more detailed information prior to making this election.

Waiver of premium benefit

If you are currently using a Waiver of Premium benefit, you will not be required to pay the increased premium until the Waiver of Premium benefit no longer applies, as provided for in your policy. If your policy does not provide a Waiver of Premium benefit, you will be required to pay the increased premium, even if you are receiving policy benefits. Prior to paying your bill with the increased premium you may want to contact one of our customer service representatives to discuss options you may have to reduce your premiums by changing your policy benefits.

Payments by automatic withdrawal/third-party account/online banking

If you are using automatic withdrawals, a third-party account, or online banking to pay your premiums, please be sure to make the proper adjustments and arrangements for paying the new premium amount.

Time frame to reverse decision

If you opt to reduce your benefits or cancel your coverage, your request to reverse any such decision must be in writing and received by us no more than 60 days after the date of our written confirmation of your reduction.

<For those states that require the rate increase history (currently AL, NH and VA)>

Rate increase history

In accordance with the requirements of [issue state] where your policy was issued, we are providing you with the history of previous rate increases that have been implemented on policys that were underwritten by Brighthouse Life Insurance Company